

002720-0262560

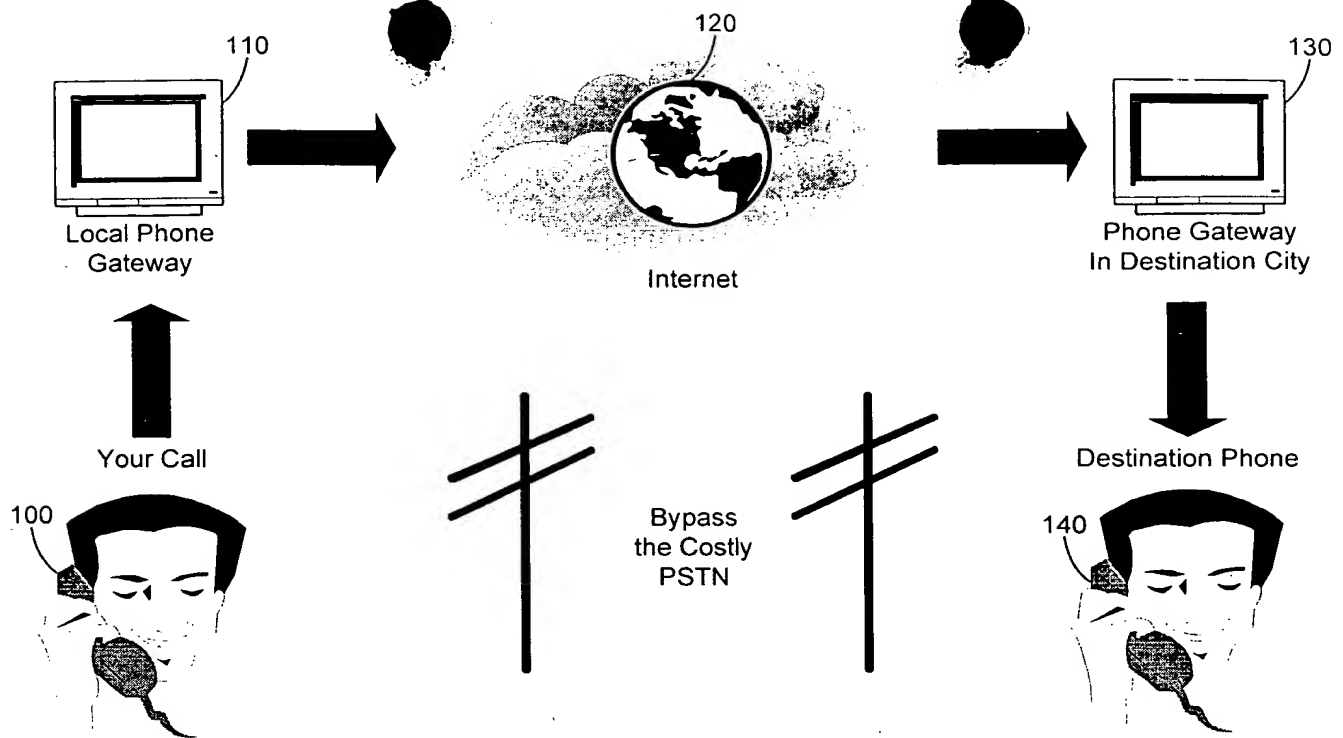


FIG. 1A

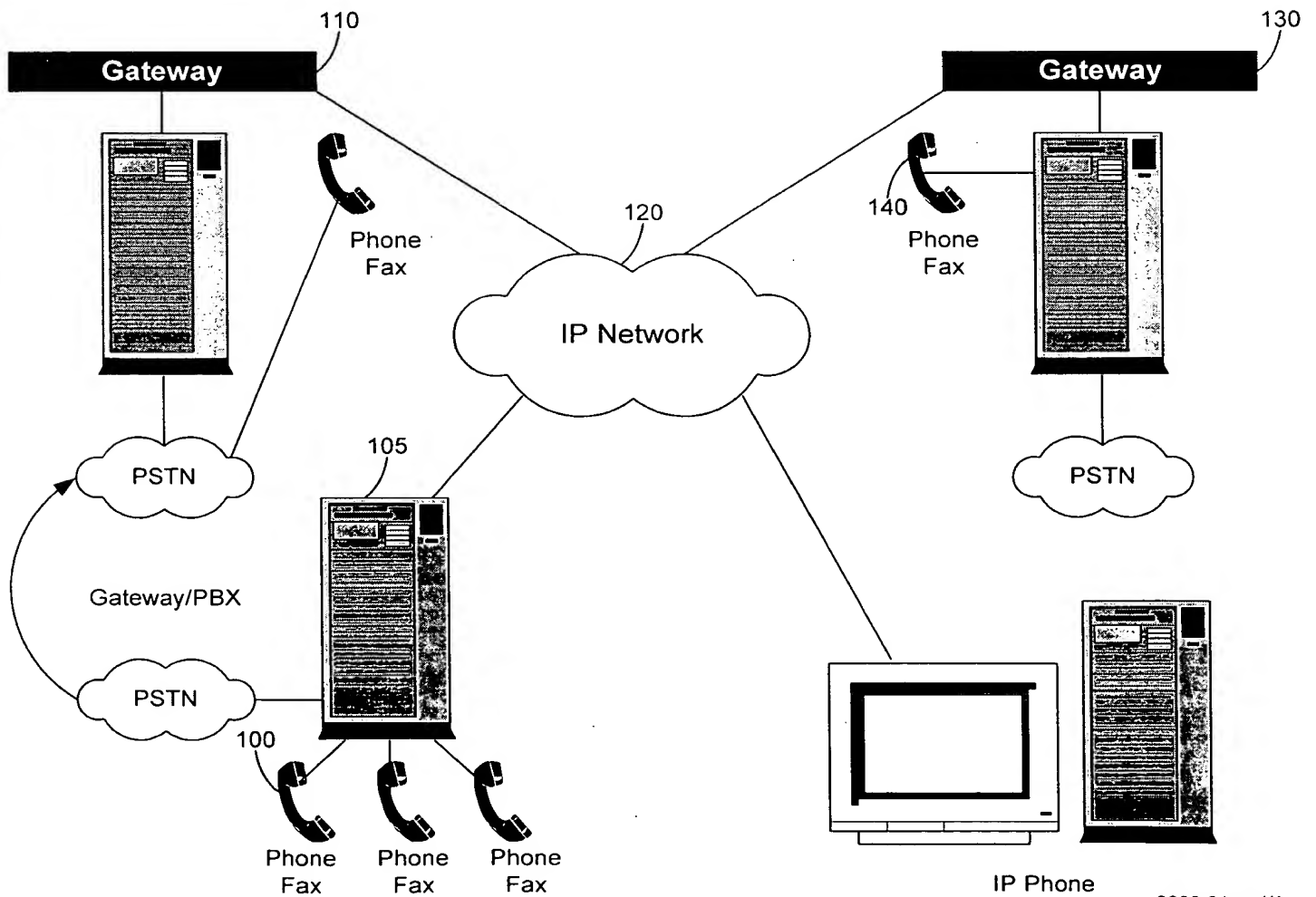


FIG. 1B

The diagram illustrates a network architecture centered around an IP cloud (215). This central cloud is connected to a variety of management and service components, including a Management System (250), GUI Tools (255), a Network Manager (270) with an associated SQL database (275), a Routing Server (230), a License Server (280), a Database Server (240) with an associated SQL database (245), and a Provisioning System (260) with its own GUI Tools (265). The IP cloud (215) also interfaces with two Gateway Servers: Gateway Server (NY) (210) and Gateway Server (LA) (220). The Gateway Server (NY) (210) is connected to a PSTN cloud (205), which in turn connects to a PBX, a Speaker Phone, an Autodialer, and several endpoints (201, 202, 203). The Gateway Server (LA) (220) is connected to an optional PSTN cloud (205) with endpoints (291, 292). An IP Phone (293) is also connected to the central IP cloud (215).

9906-81.vsd/2

Year	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	

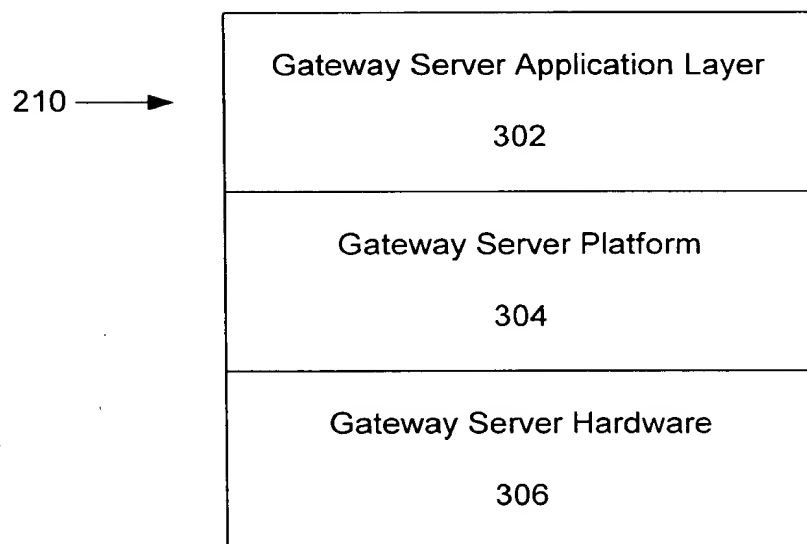


FIG. 3A

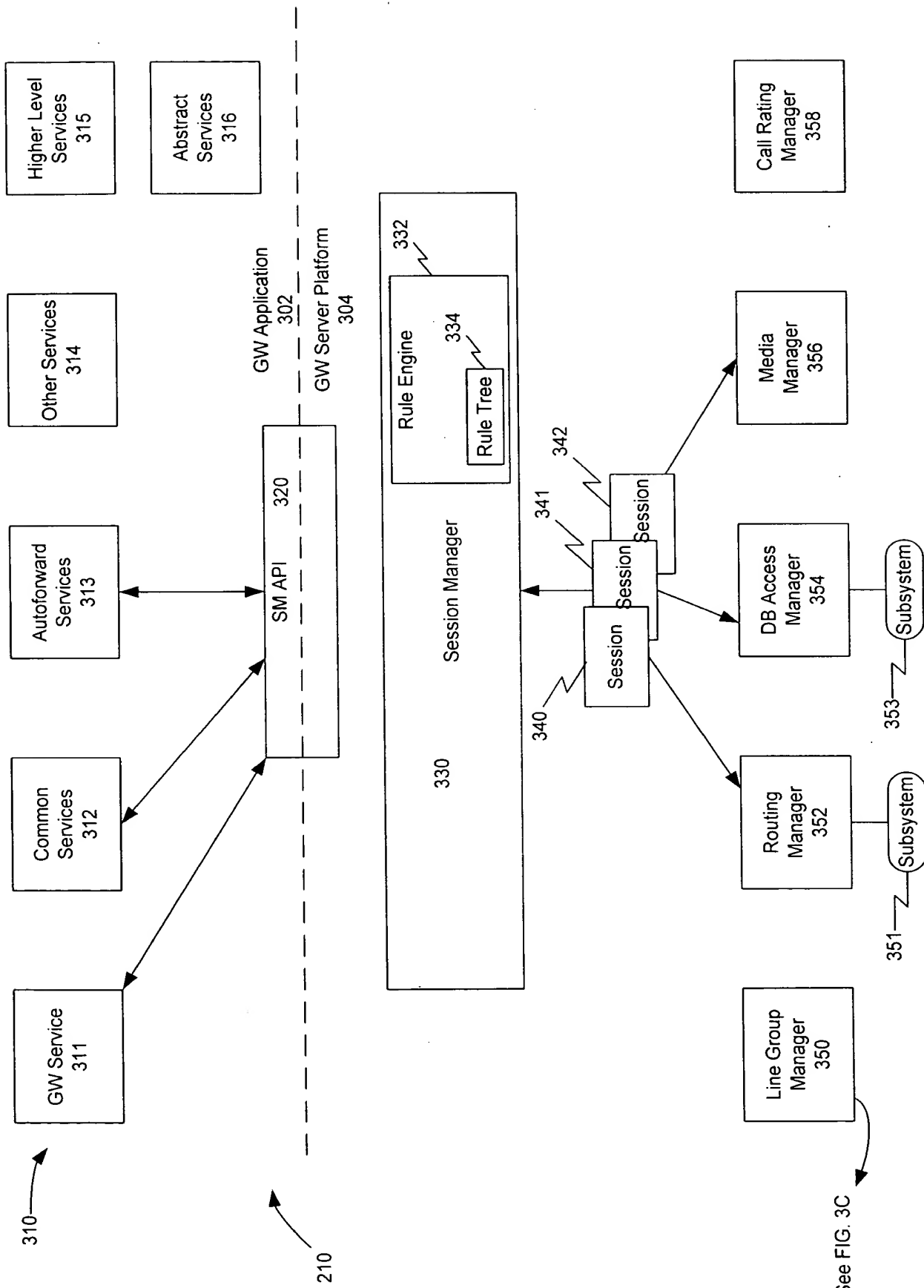


FIG. 3B

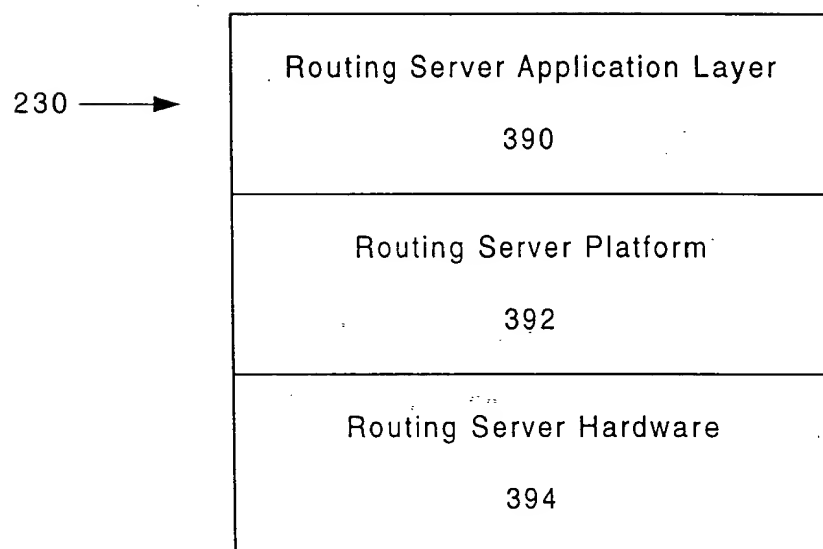


FIG. 3D

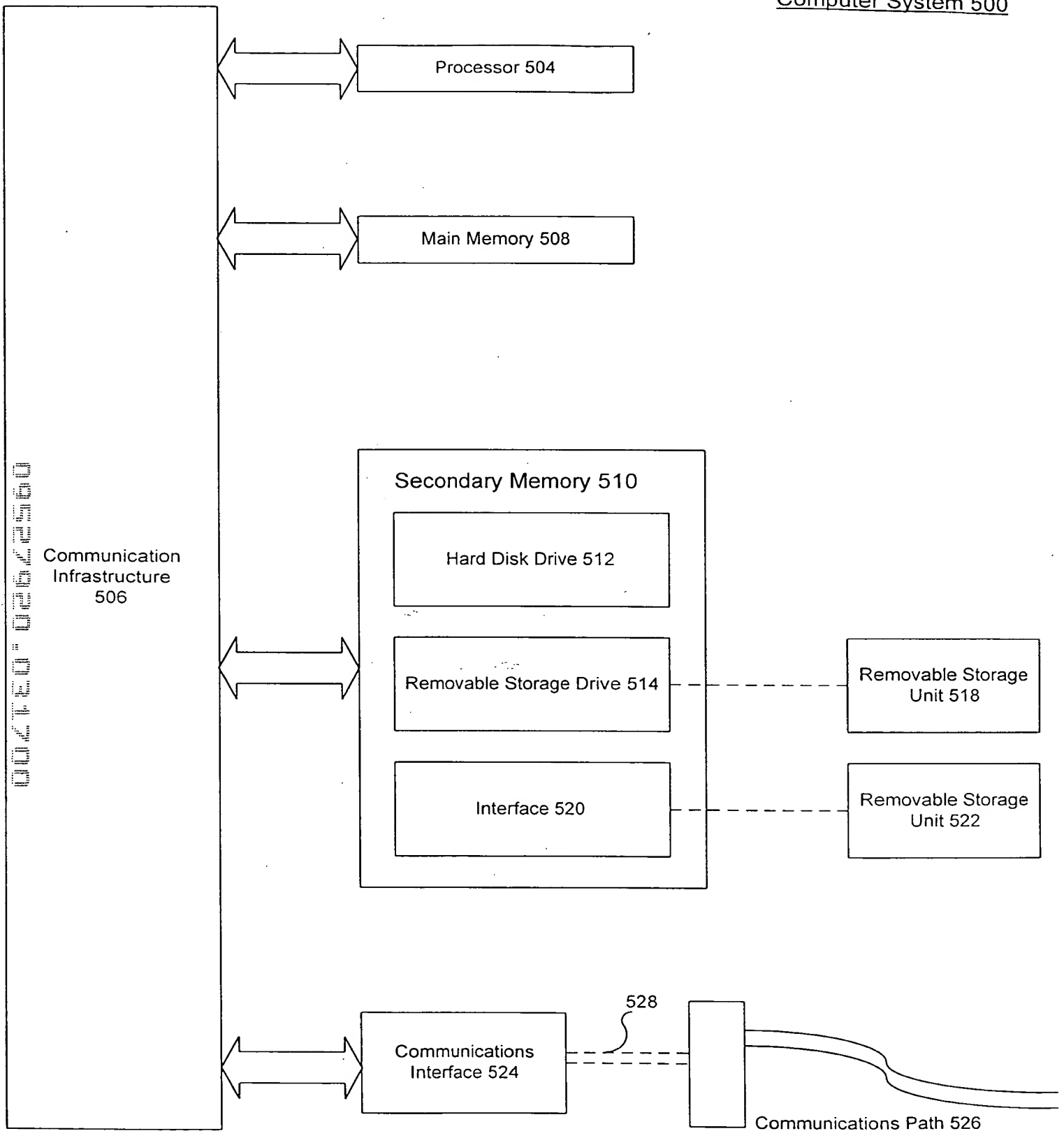


FIG. 5

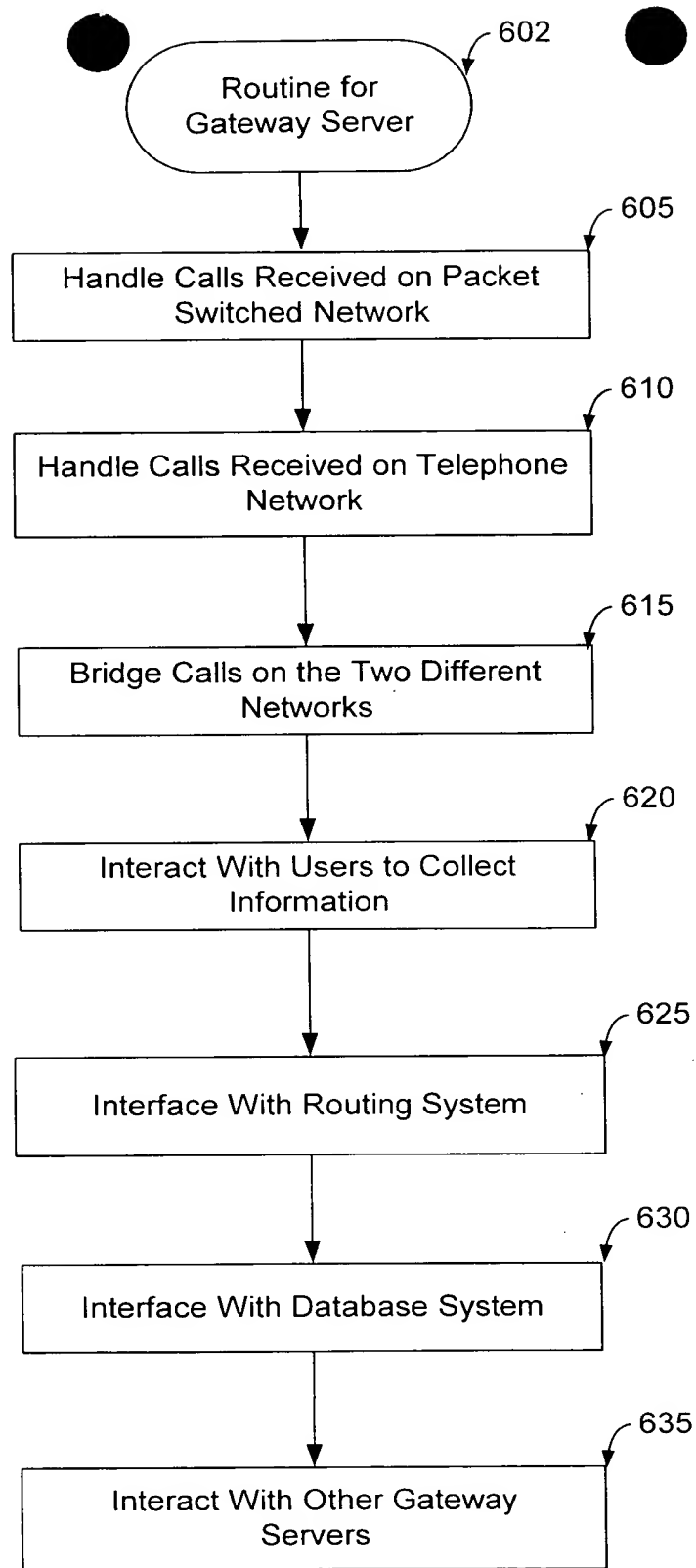


FIG. 6A

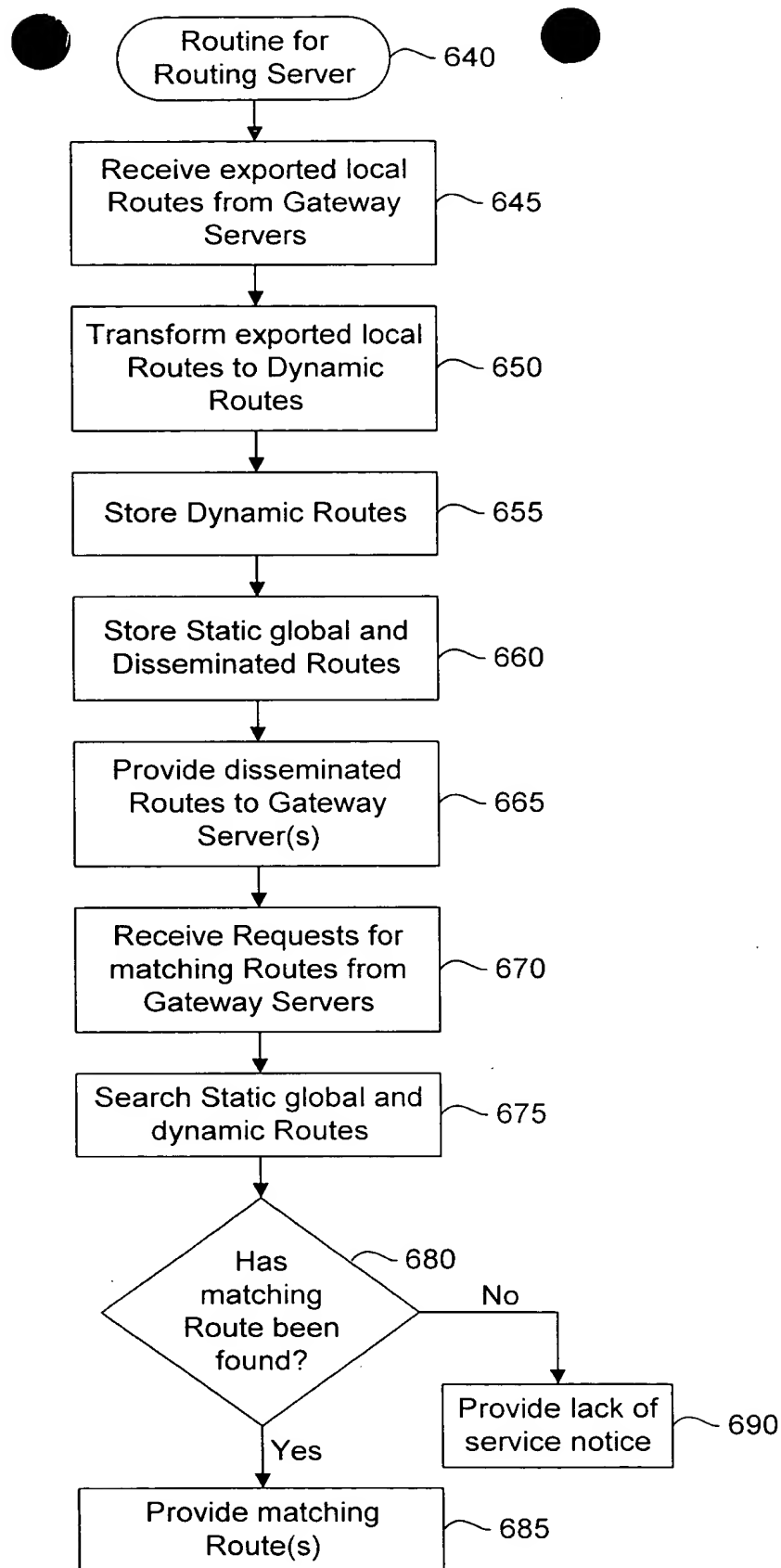


FIG. 6B

	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99																																																																																																																																																												
0	00000000	00000001	00000010	00000011	00000100	00000101	00000110	00000111	00001000	00001001	00001010	00001011	00001100	00001101	00001110	00001111	00010000	00010001	00010010	00010011	00010100	00010101	00010110	00010111	00011000	00011001	00011010	00011011	00011100	00011101	00011110	00011111	00100000	00100001	00100010	00100011	00100100	00100101	00100110	00100111	00101000	00101001	00101010	00101011	00101100	00101101	00101110	00101111	00110000	00110001	00110010	00110011	00110100	00110101	00110110	00110111	00111000	00111001	00111010	00111011	00111100	00111101	00111110	00111111	01000000	01000001	01000010	01000011	01000100	01000101	01000110	01000111	01001000	01001001	01001010	01001011	01001100	01001101	01001110	01001111	01010000	01010001	01010010	01010011	01010100	01010101	01010110	01010111	01011000	01011001	01011010	01011011	01011100	01011101	01011110	01011111	01100000	01100001	01100010	01100011	01100100	01100101	01100110	01100111	01101000	01101001	01101010	01101011	01101100	01101101	01101110	01101111	01110000	01110001	01110010	01110011	01110100	01110101	01110110	01110111	01111000	01111001	01111010	01111011	01111100	01111101	01111110	01111111	10000000	10000001	10000010	10000011	10000100	10000101	10000110	10000111	10001000	10001001	10001010	10001011	10001100	10001101	10001110	10001111	10010000	10010001	10010010	10010011	10010100	10010101	10010110	10010111	10011000	10011001	10011010	10011011	10011100	10011101	10011110	10011111	10100000	10100001	10100010	10100011	10100100	10100101	10100110	10100111	10101000	10101001	10101010	10101011	10101100	10101101	10101110	10101111	10110000	10110001	10110010	10110011	10110100	10110101	10110110	10110111	10111000	10111001	10111010	10111011	10111100	10111101	10111110	10111111	11000000	11000001	11000010	11000011	11000100	11000101	11000110	11000111	11001000	11001001	11001010	11001011	11001100	11001101	11001110	11001111	11010000	11010001	11010010	11010011	11010100	11010101	11010110	11010111	11011000	11011001	11011010	11011011	11011100	11011101	11011110	11011111	11100000	11100001	11100010	11100011	11100100	11100101	11100110	11100111	11101000	11101001	11101010	11101011	11101100	11101101	11101110	11101111	11110000	11110001	11110010	11110011	11110100	11110101	11110110	11110111	11111000	11111001	11111010	11111011	11111100	11111101	11111110	11111111

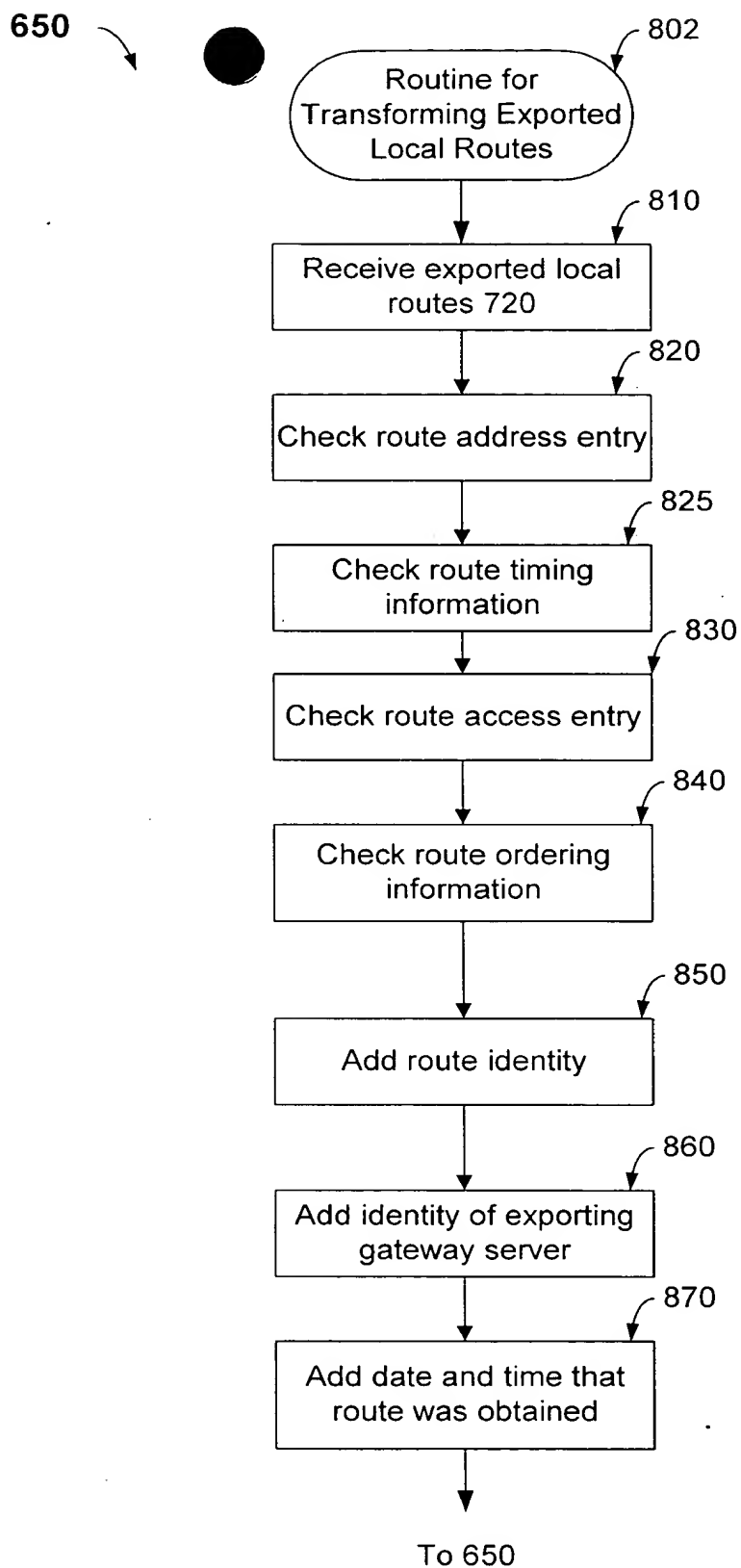


FIG. 8

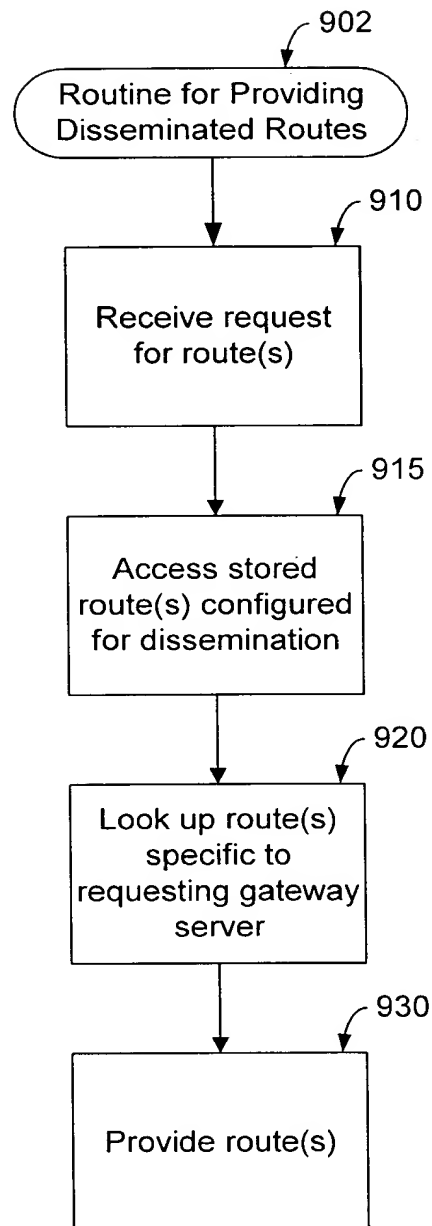


FIG. 9

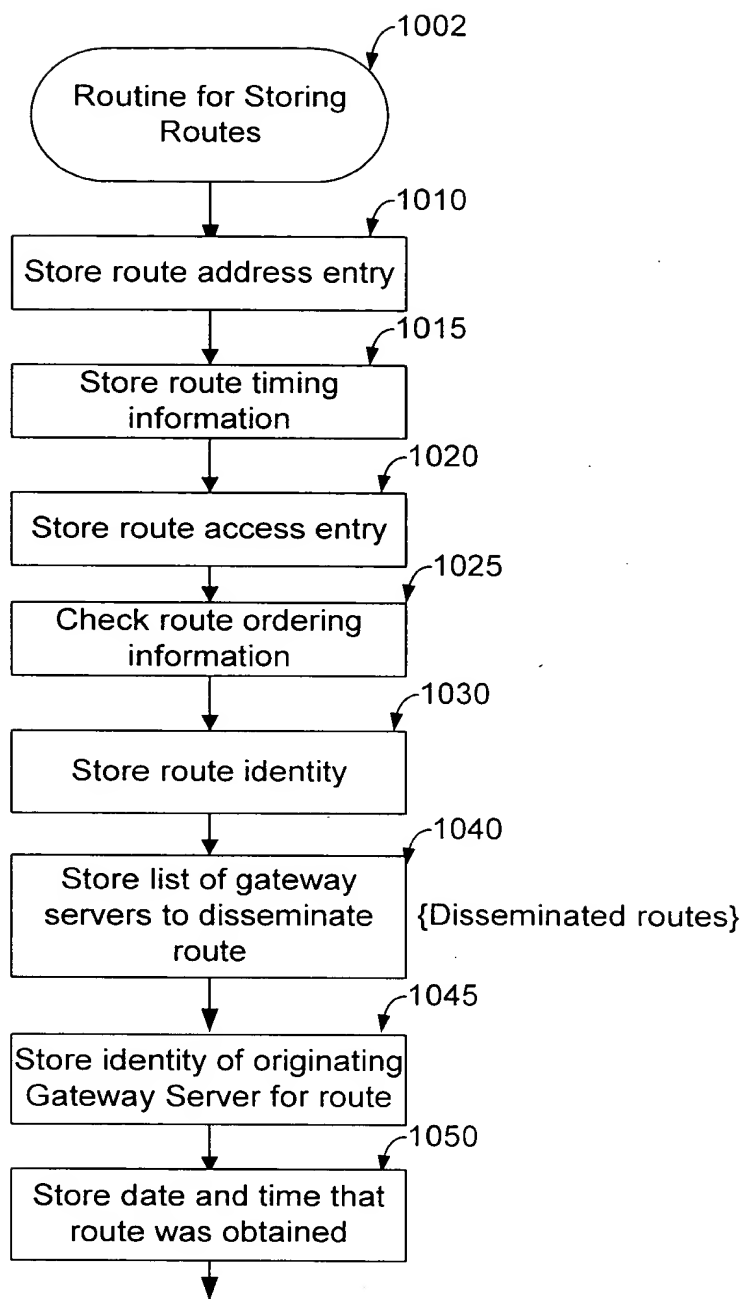
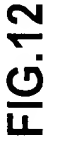
[illegible]

FIG. 10

9907-27.vsd/7



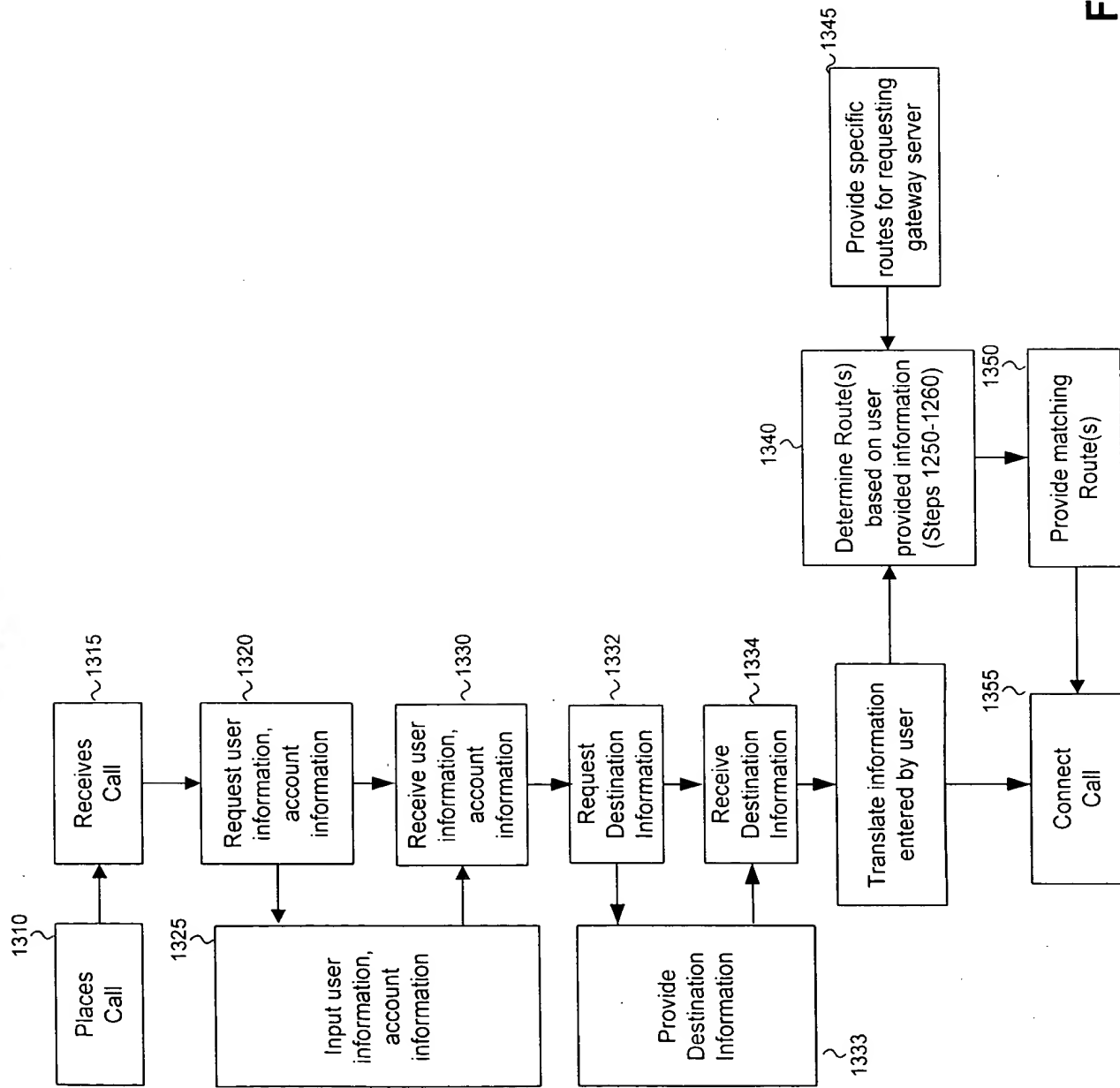


FIG.13

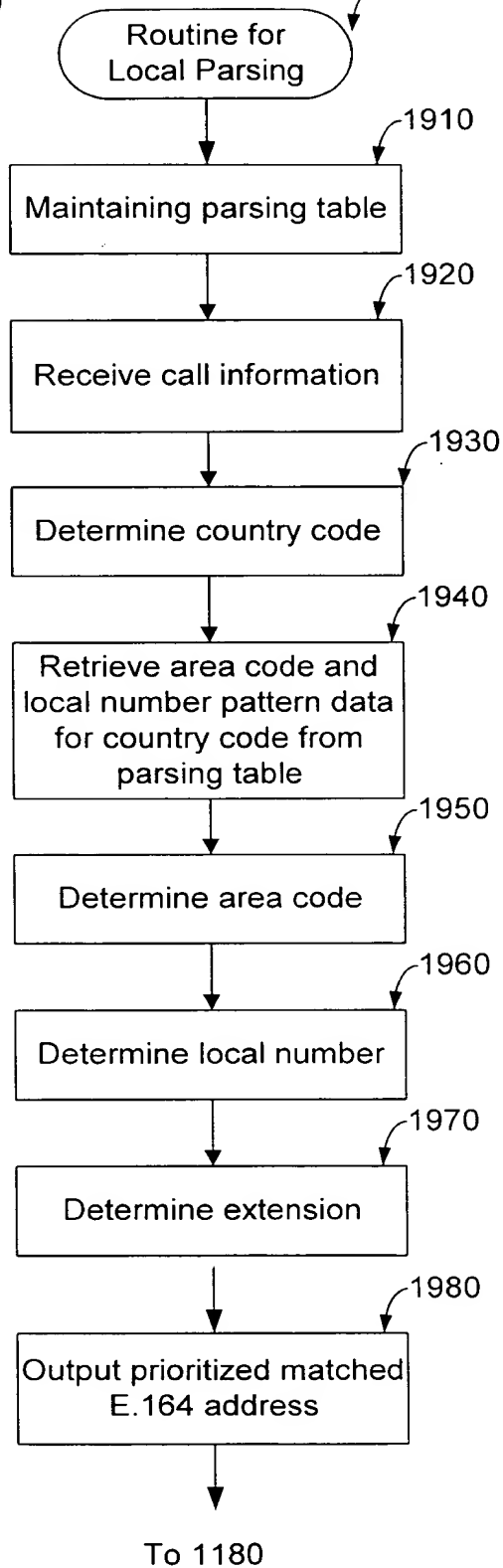
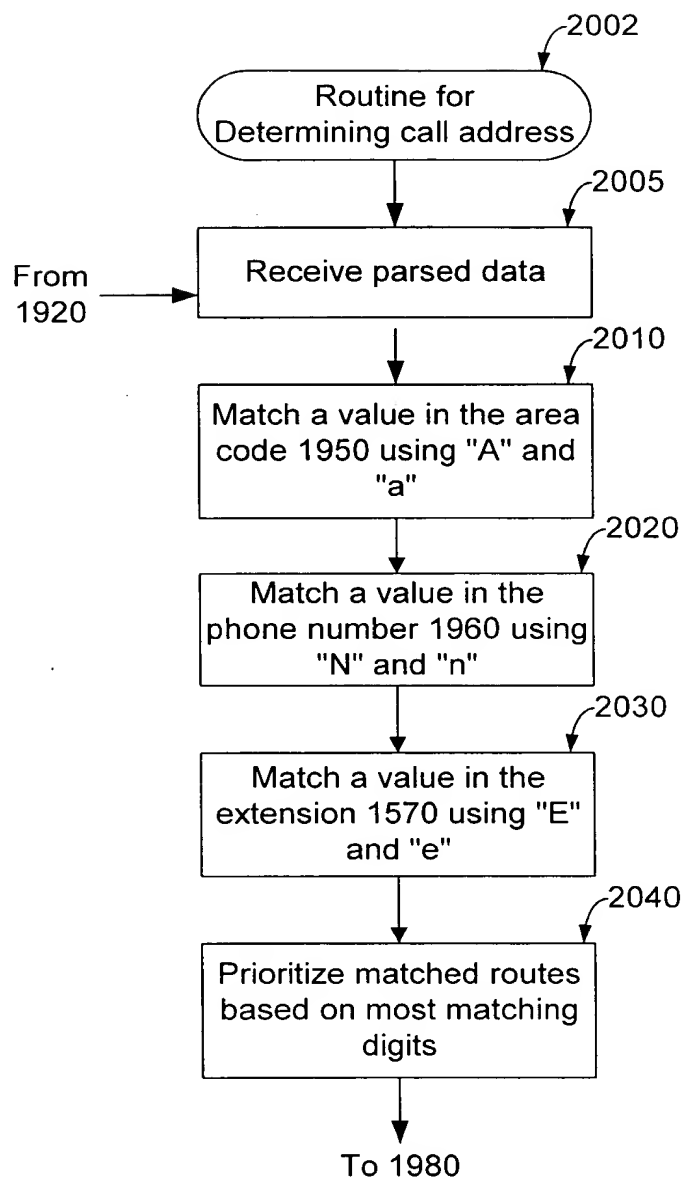



FIG. 19

002760 02622560



Wildcard Embodiment

FIG. 20

2040 

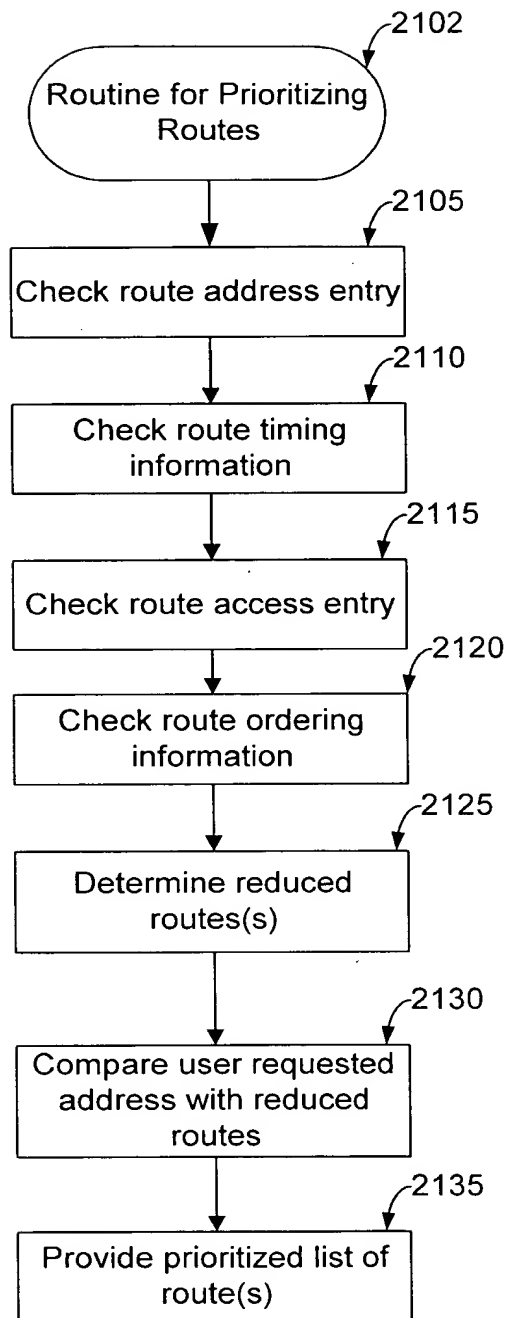


FIG. 21A

1: (QUERY) What Gateway can call +1(703)555-1234?

2: (RESPONSE) Gateway B, IP address 192.168.1.3

2265

Routing Server

2230

IP Network

2260

Gateway A

2275

Gateway B

2255

PSTN 212 Area

2280

PSTN 703 Area

2253

2283

1(703)555-1234

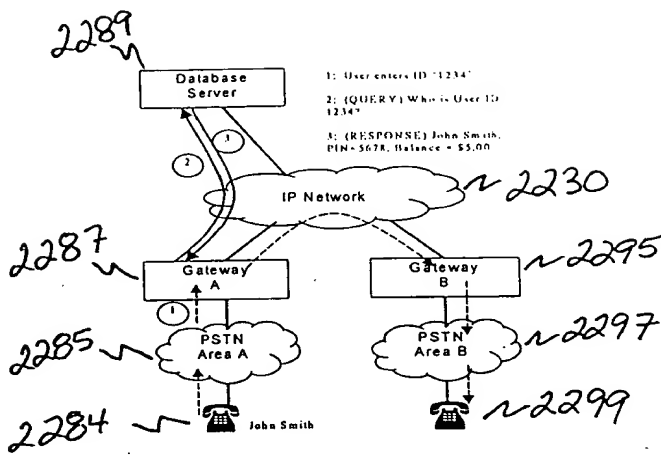


Fig. 22C

09527920-031700

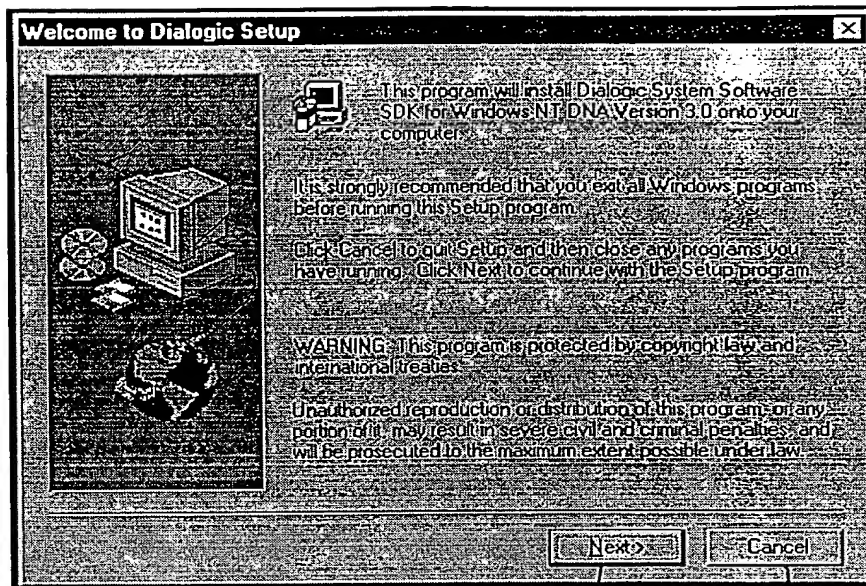


Fig. 23

2304

2306

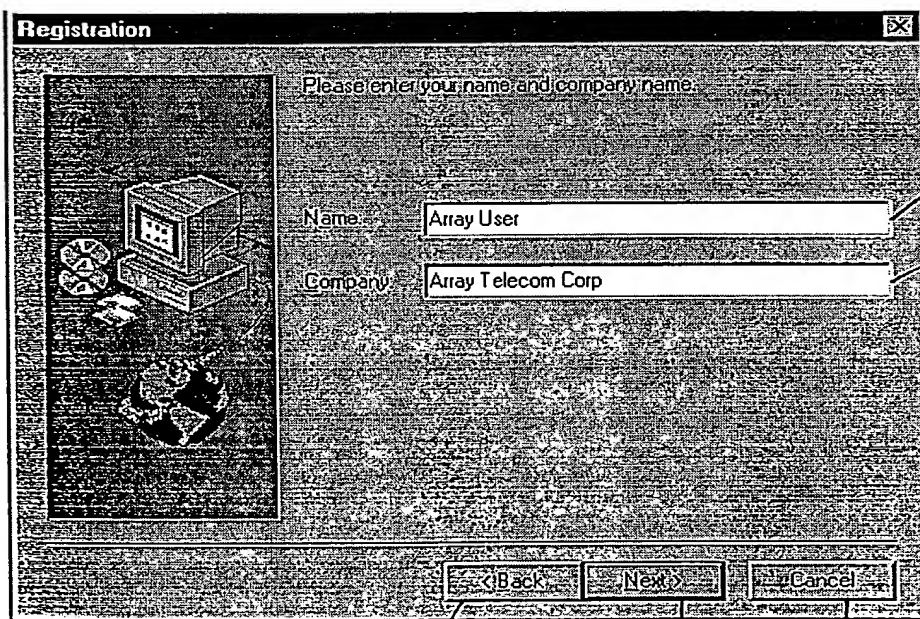


Fig. 24

2408

2404

2406

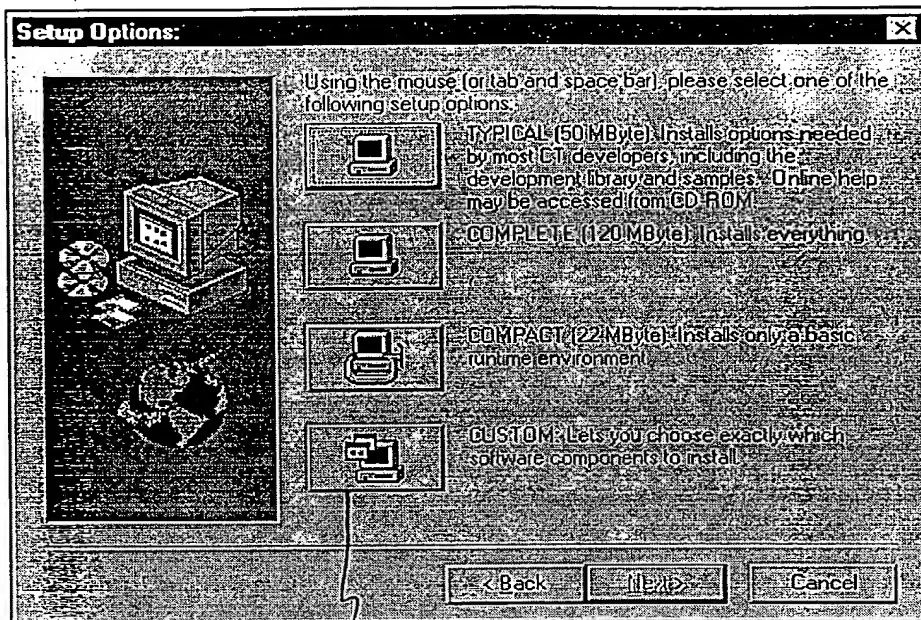


Fig. 25

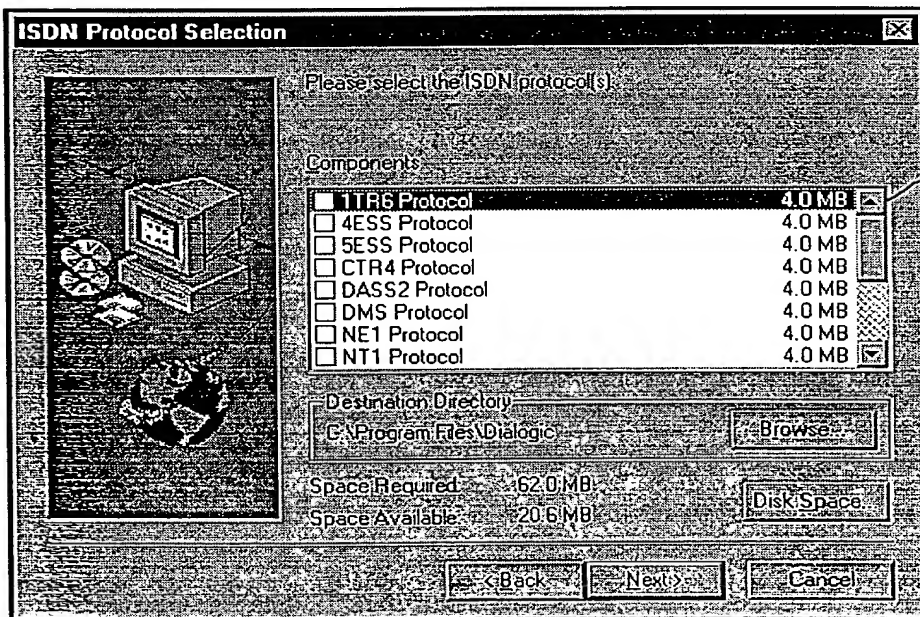
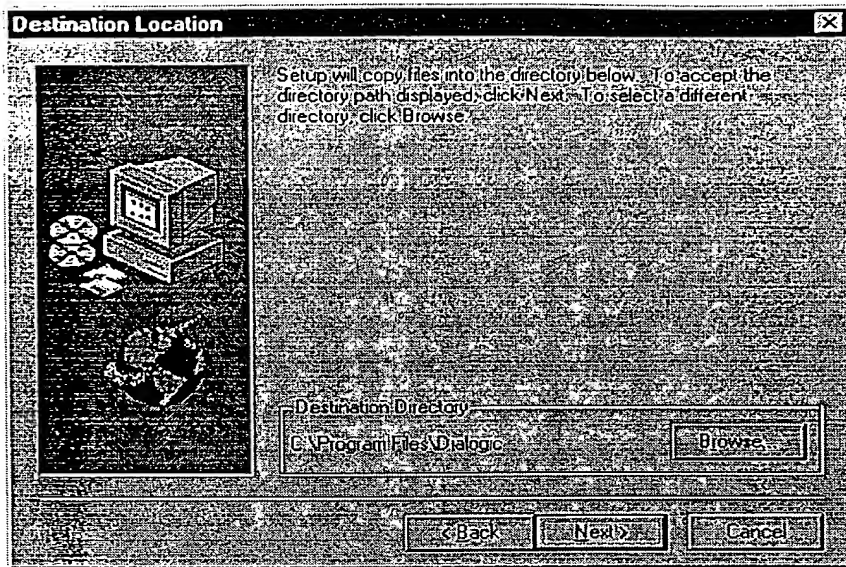
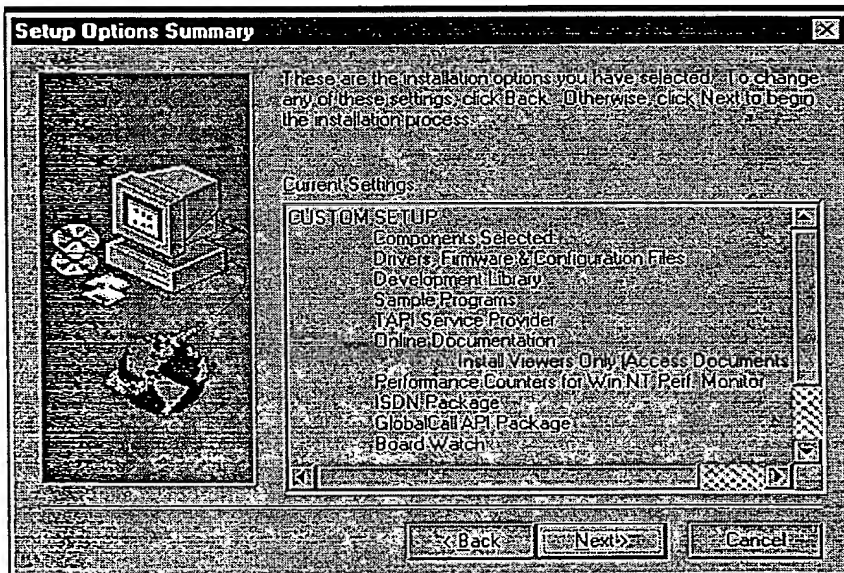


Fig. 26



2702

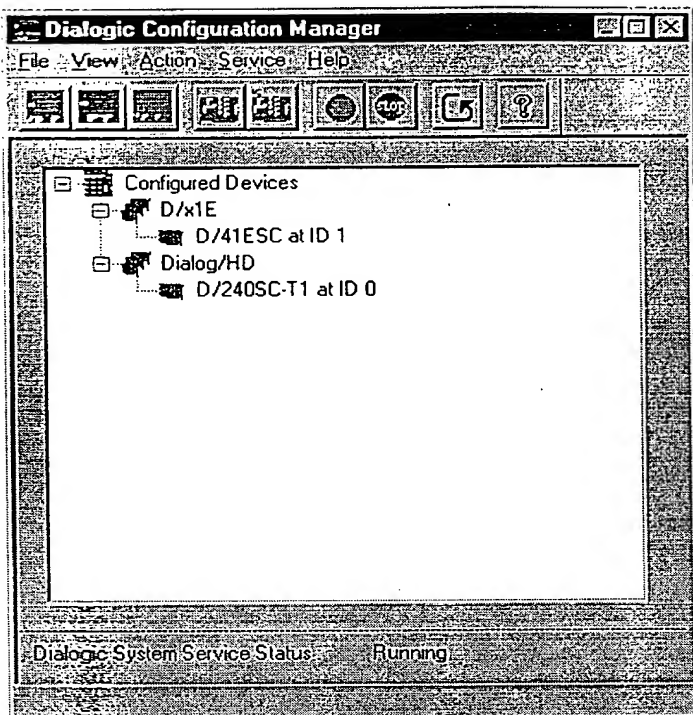
Fig. 27



2802

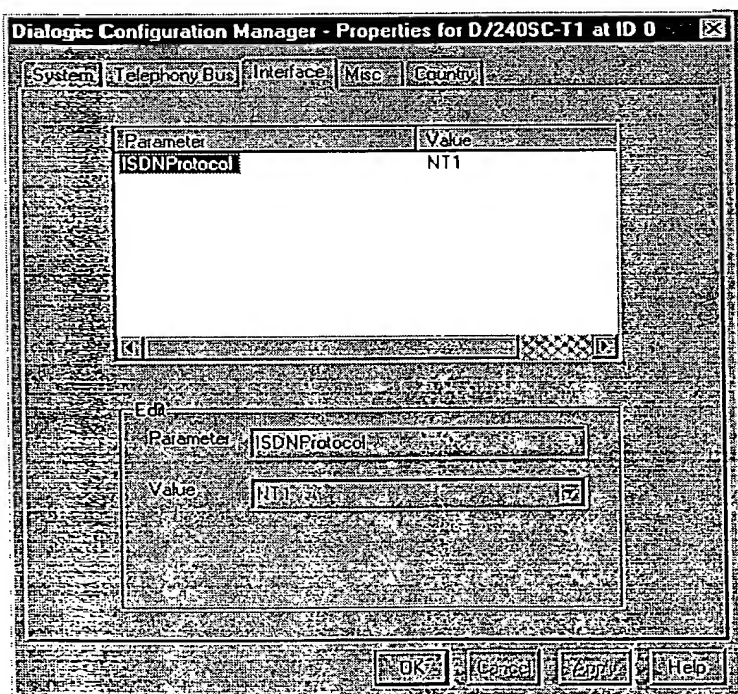
Fig. 28

00/TEO: 026/2560



~2902

Fig. 29



~3002

Fig. 30

00527920-031700

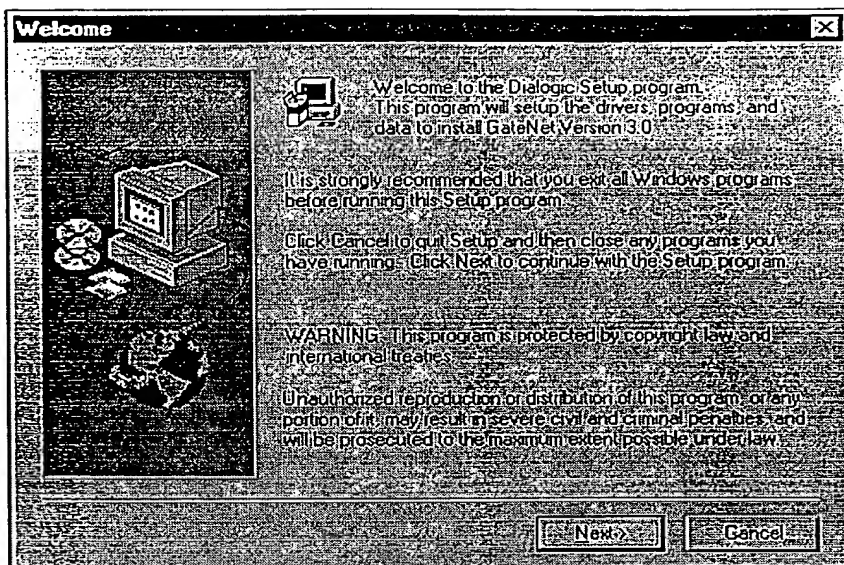


Fig.31

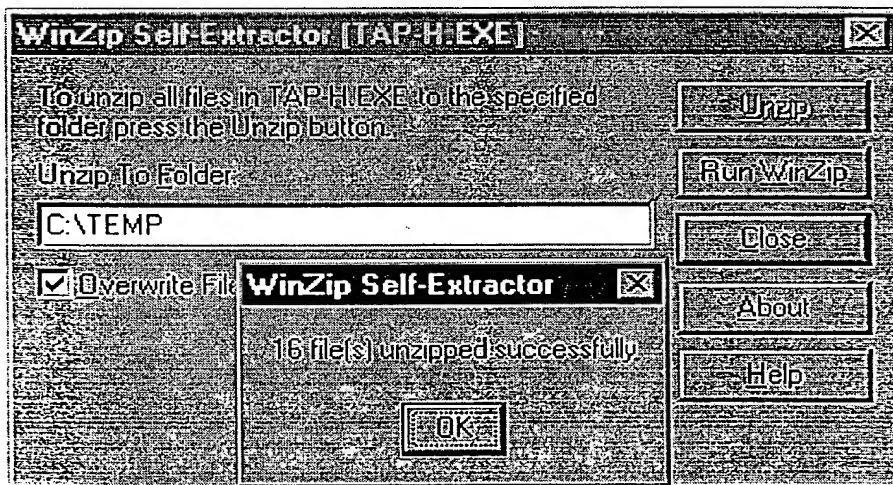


Fig. 32

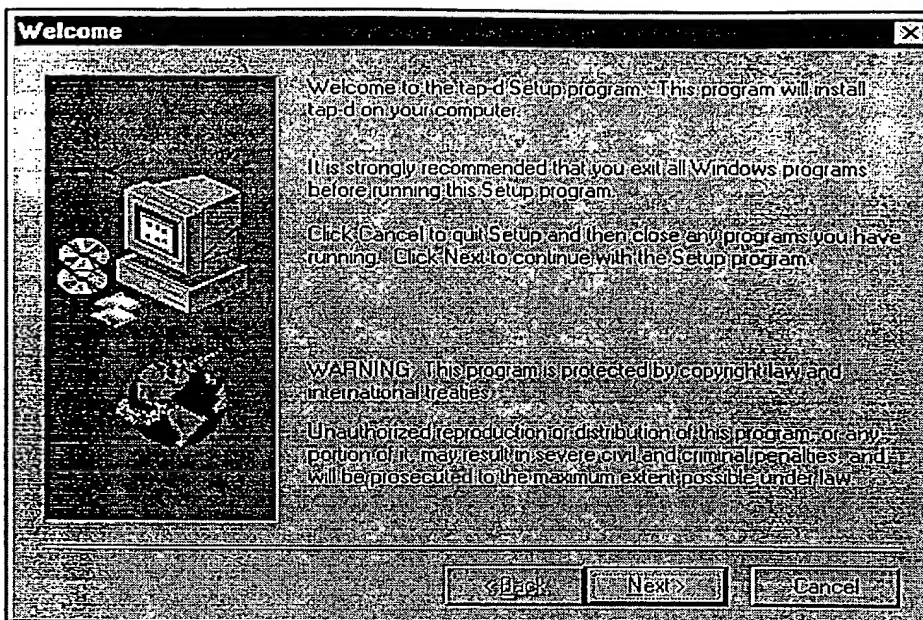


Fig. 35

0047ED-02622560

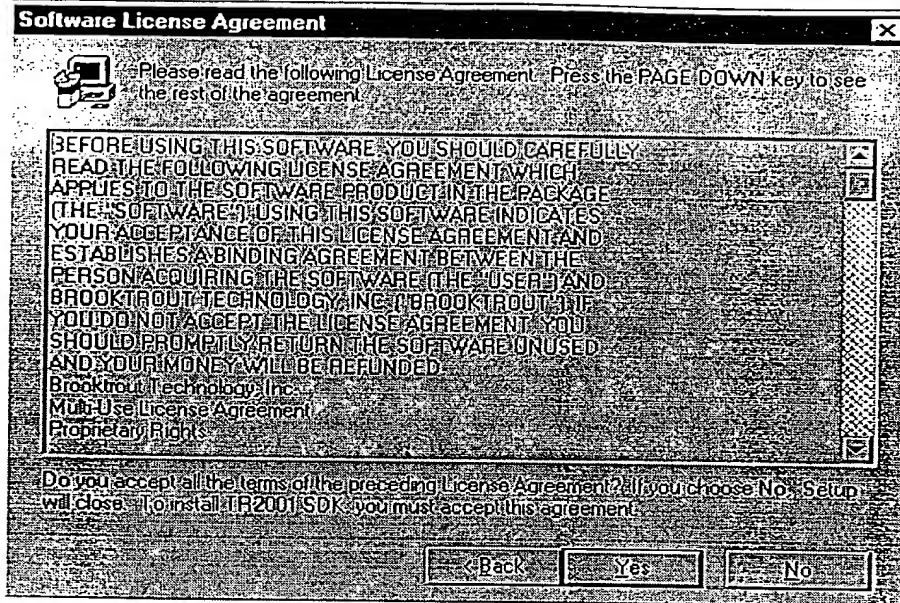


Fig. 36

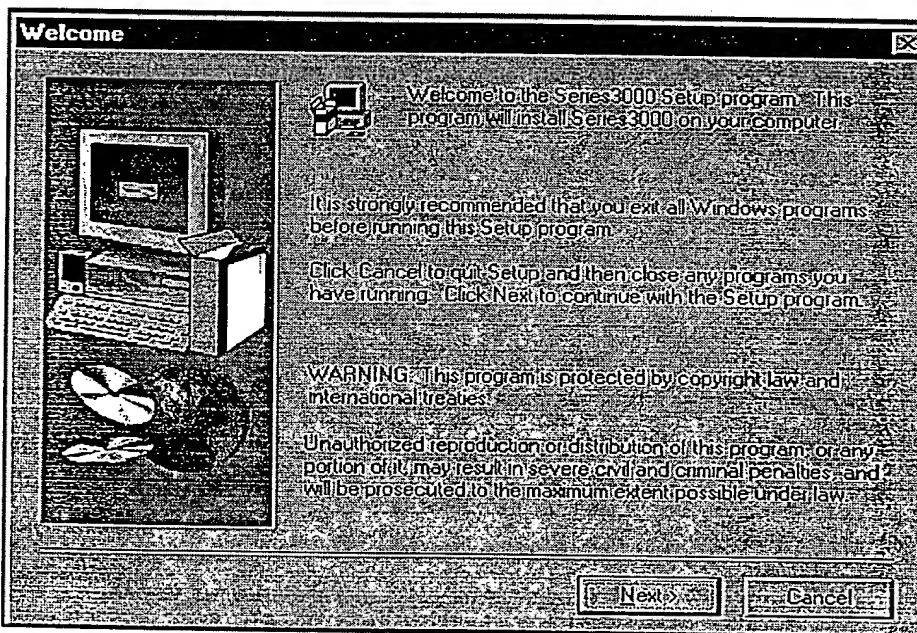


Fig. 37

00527920-031700

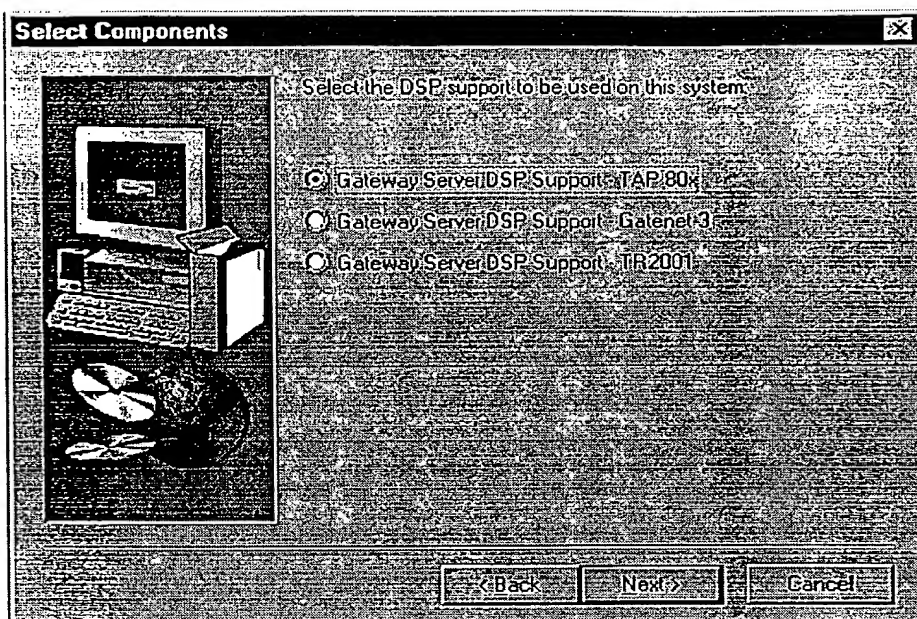


Fig. 40

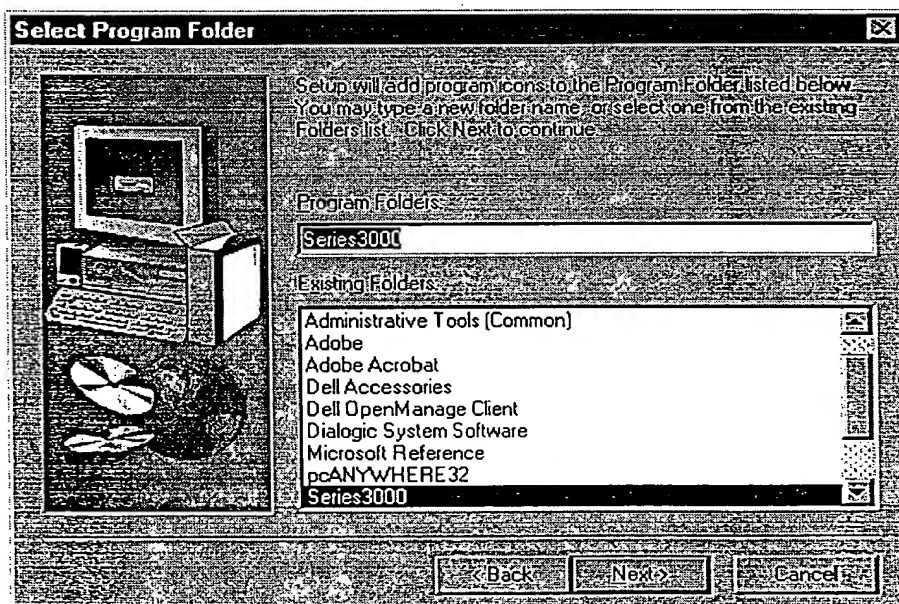


Fig. 41

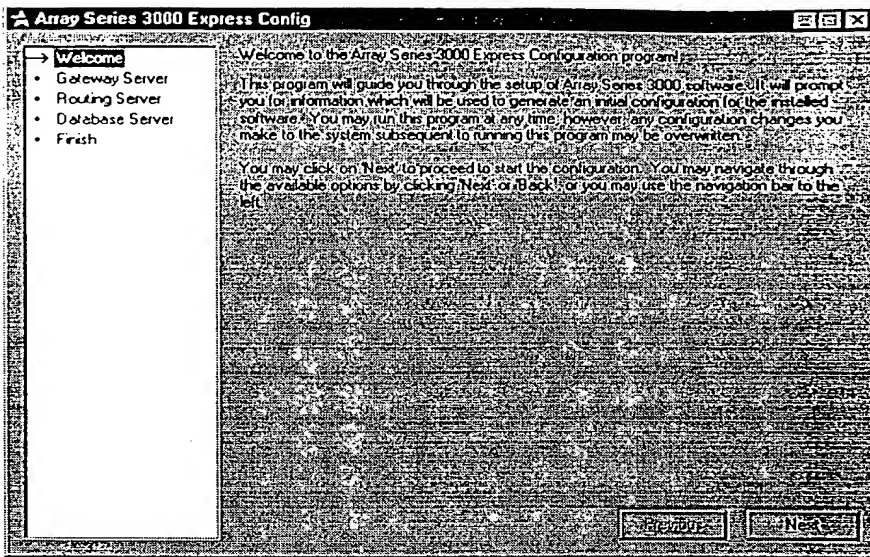


Fig. 42

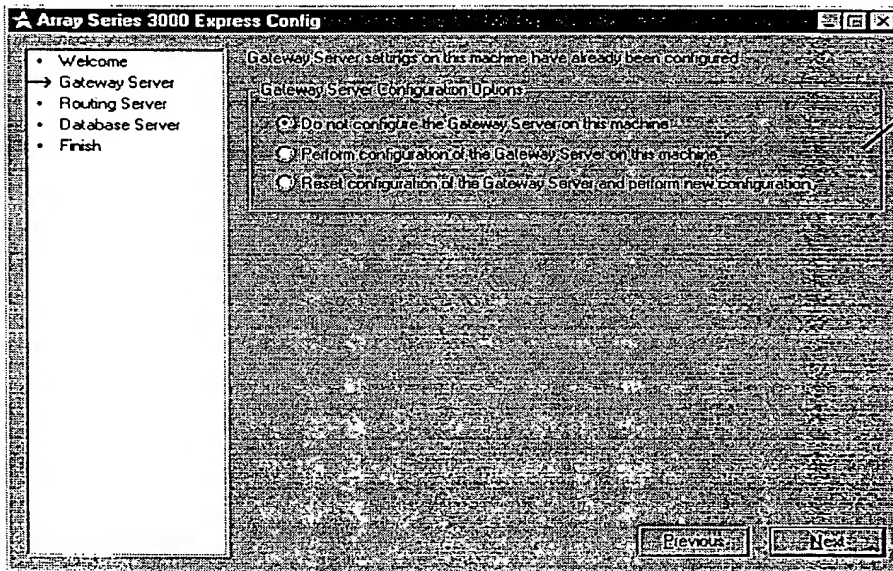


Fig. 43

Fig. 46

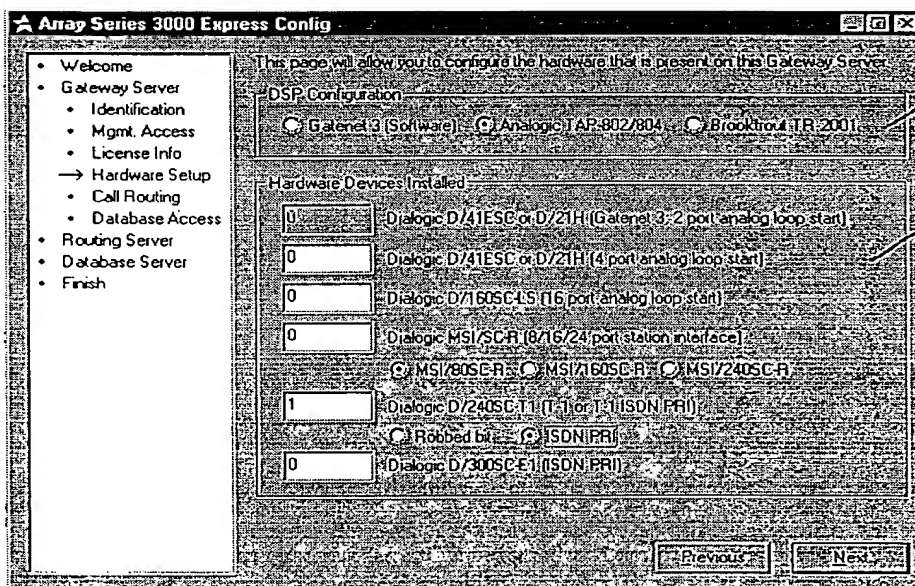


Fig. 47

Array Series 3000 Express Config

- Welcome
- Gateway Server
 - Identification
 - Mgmt. Access
 - License Info
 - Hardware Setup
 - Call Routing
 - Database Access
- Routing Server
- Database Server
- Finish

This page will allow you to configure the list of Routing servers used by this Gateway Server

Routing Server List

Server Name	IP Address/Hostname
TESTROUTE1	192.168.1.4

Add New Server

Server Name:

IP Address/Hostname:

4804

4802

Fig. 48

Array Series 3000 Express Config

- Welcome
- Gateway Server
 - Identification
 - Mgmt. Access
 - License Info
 - Hardware Setup
 - Call Routing
 - Database Access
- Routing Server
- Database Server
- Finish

This page will allow you to configure the list of Database servers used by this Gateway

Database Server List

Server Name	IP Address/Hostname
TESTDB1	192.168.1.5

Add New Server

Server Name:

IP Address/Hostname:

4904

4902

Fig. 49A

0047ED 02522560

Array Series 3000 Express Config

- Welcome
- Gateway Server
- Routing Server
 - Identification
 - Mgmt. Access
 - License Info
 - Client Setup
- Database Server
- Finish

This page will allow you to configure a list of clients that have the necessary access to connect to and use the Routing Server.

Note that you should configure the identification and security component first, since you will only be able to select from the list of domains that have been configured.

Routing Server Client Access Settings

Clients with access:

NEWDOMAIN:NewMember	
---------------------	--

Add New Client

Domain Name: ☒

Member Name:

Fig. 49B

~ 4950

Fig. 50



Fig. 51

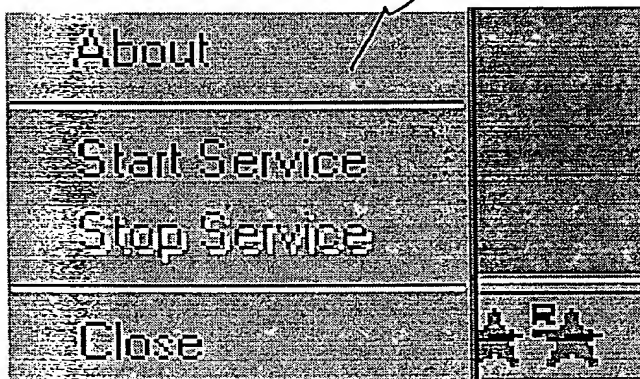


Fig. 52

The screenshot displays the 'Series 3000 Control Panel' window. At the top, there are three tabs: 'Routing Server', 'Gateway Server', and 'Database Server'. The 'Routing Server' tab is active, showing a 'Process' section with 'Stop' and 'Connect' buttons, and a 'Process Status' section indicating 'Service created, Connection established'. To the right, a 'Service' section shows 'Automatic Start' is unchecked, with 'Stop' and 'Start' buttons, and a 'Service Status' section indicating 'Service started'. Below these is an 'Event Log' showing five entries: '17:28:30 [LICENSE 3] Got license of type: 1'. At the bottom, there are buttons for 'Clear' and 'Lock Display', a 'Message Levels' dropdown set to '0: Low level diagnostic', and a 'Line Status' section with a table header: 'Session', 'State', 'Service(s)', and 'Time'. The table body is empty.

Fig. 53

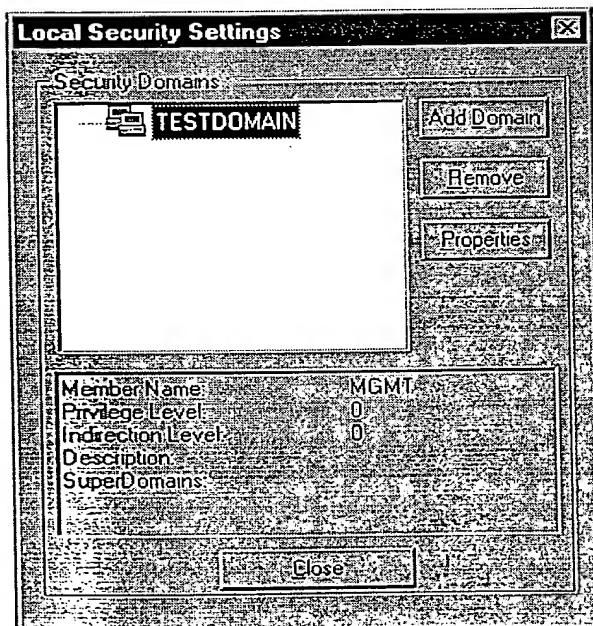


Fig. 54

~ 5504

~ 5502

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

✓ 5602

Fig. 56

Fig. 57

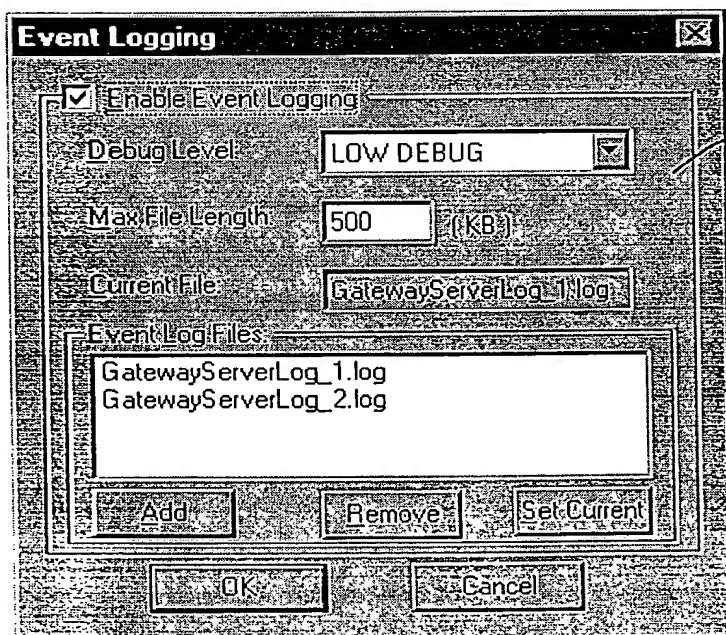


Fig. 58

00527920-031700

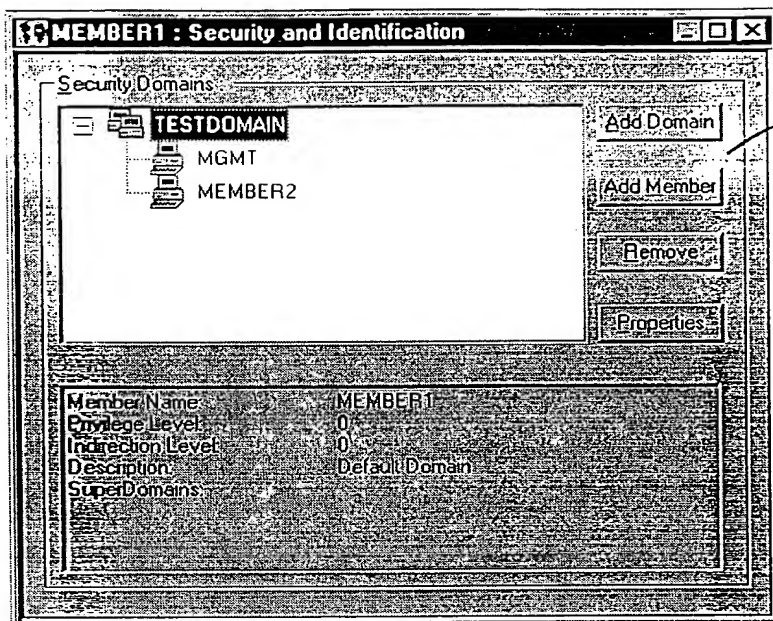


Fig. 59

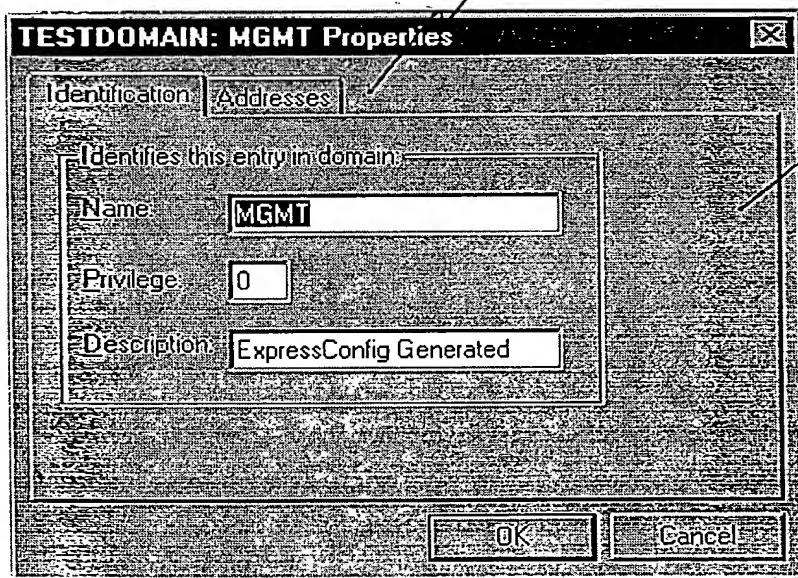


Fig. 60

TESTDOMAIN: MGMT Properties

Identification **Addresses**

List of Addresses

IP Address	Netmask	Port
192.168.1.3	255.255.255.255	0

Add Change Remove

OK Cancel

MEMBER1 : Management Access

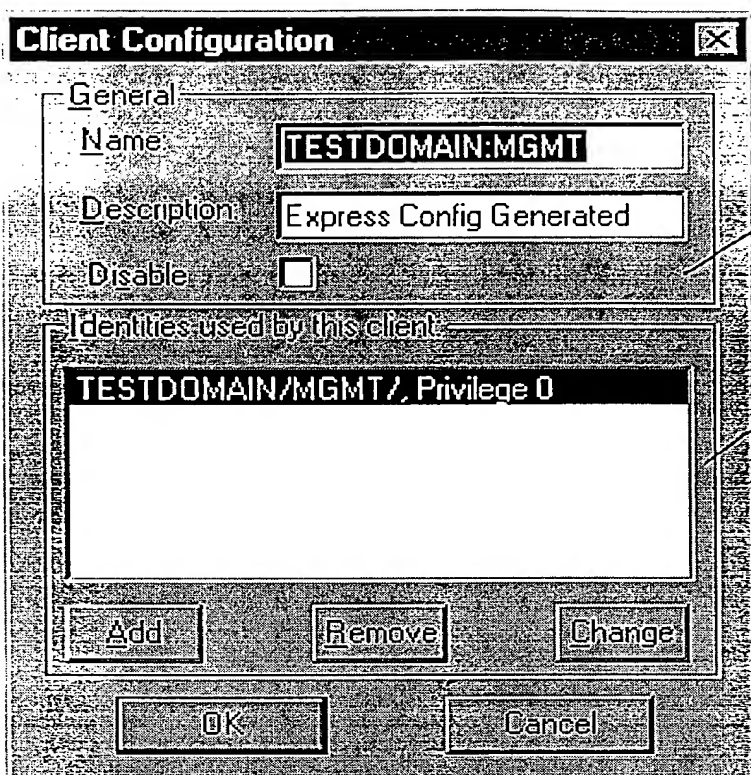
List of Clients:

Name	Description	Identification	Status
TESTDOMAIN	Express Config ...	TESTDOMAIN/MGMT	Enabled

Buttons: Add Client, Remove, Properties

Fig. 62

004160-02642560



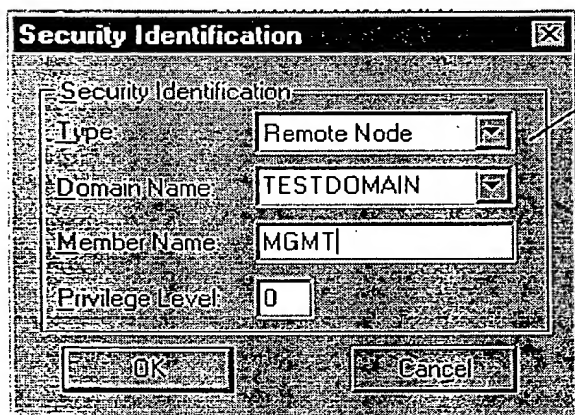
The 'Client Configuration' dialog box features a 'General' tab. It includes a 'Name' field with the text 'TESTDOMAIN:MGMT', a 'Description' field with 'Express Config Generated', and a 'Disable' checkbox which is unchecked. Below these is a section titled 'Identities used by this client' containing a list box with the entry 'TESTDOMAIN/MGMT /, Privilege 0'. At the bottom of this section are 'Add', 'Remove', and 'Change' buttons. The dialog concludes with 'OK' and 'Cancel' buttons.

6304

6306

6302

Fig. 63



The 'Security Identification' dialog box contains fields for 'Type' (set to 'Remote Node'), 'Domain Name' (set to 'TESTDOMAIN'), 'Member Name' (set to 'MGMT'), and 'Privilege Level' (set to '0'). Each field has a dropdown arrow on its right. The dialog ends with 'OK' and 'Cancel' buttons.

6404

6402

Fig. 64

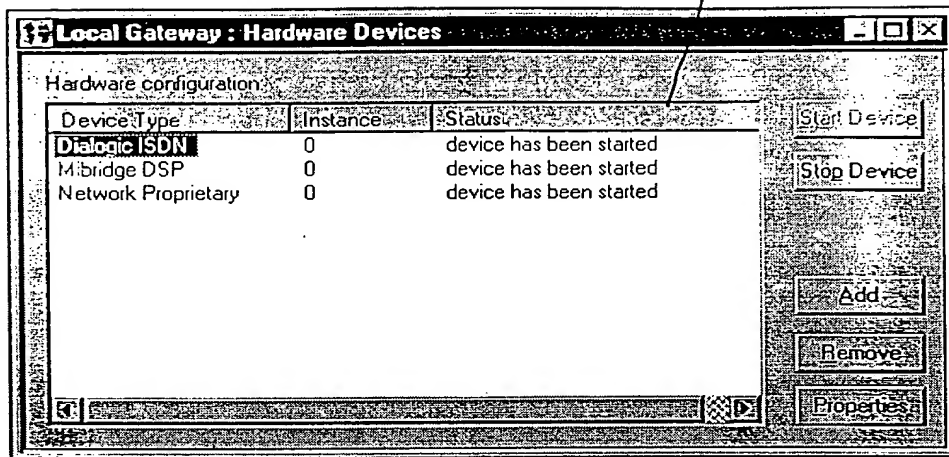


Fig. 67

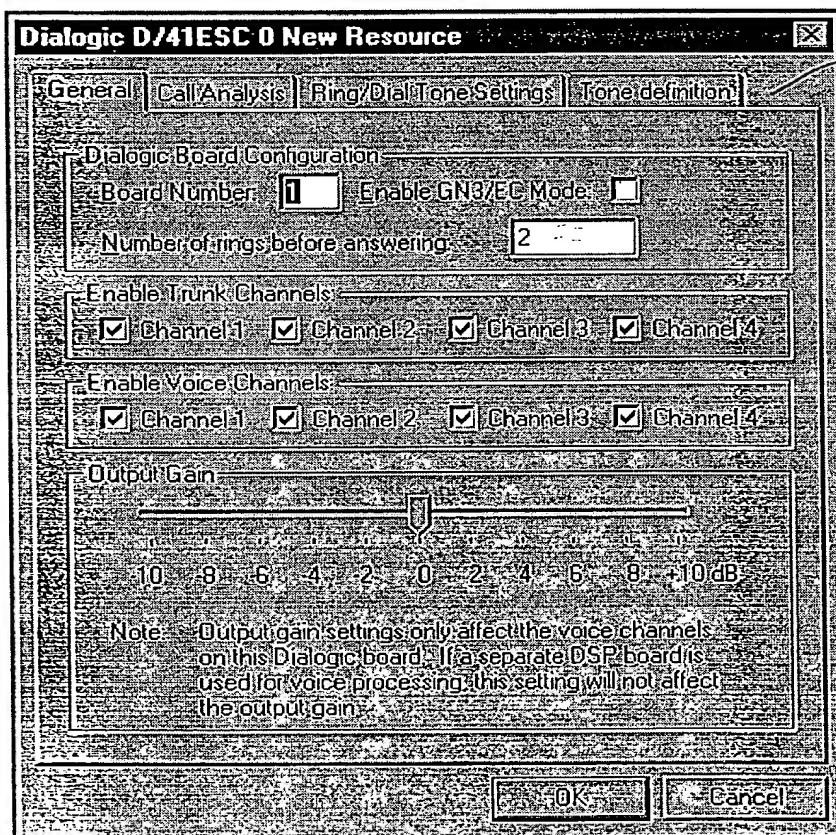


Fig. 68

Dialogic D/41ESC 0 New Resource

General | Call Analysis | **Ring/Dial Tone Settings** | Tone definition

SLIT Settings

☒ Enable SLIT SLIT Tones:

Connection Detection

☒ Enable Voice Detection

☐ Enable Loop Current Signaling

OK Cancel

Fig. 69

Dialogic D/41ESC 0 New Resource

General | **Call Analysis** | **Ring/Dial Tone Settings** | **Tone Definition**

Ring Settings:

Timeout For Outbound Call Pickup (10ms)

Dial Tone Settings:

Minimum Length of Valid Dial (10ms)

Timeout For Dial Tone (10ms)

Maximum Dial Tone Interruption (10ms)

OK **Cancel**

Fig. 70

00527920-031700

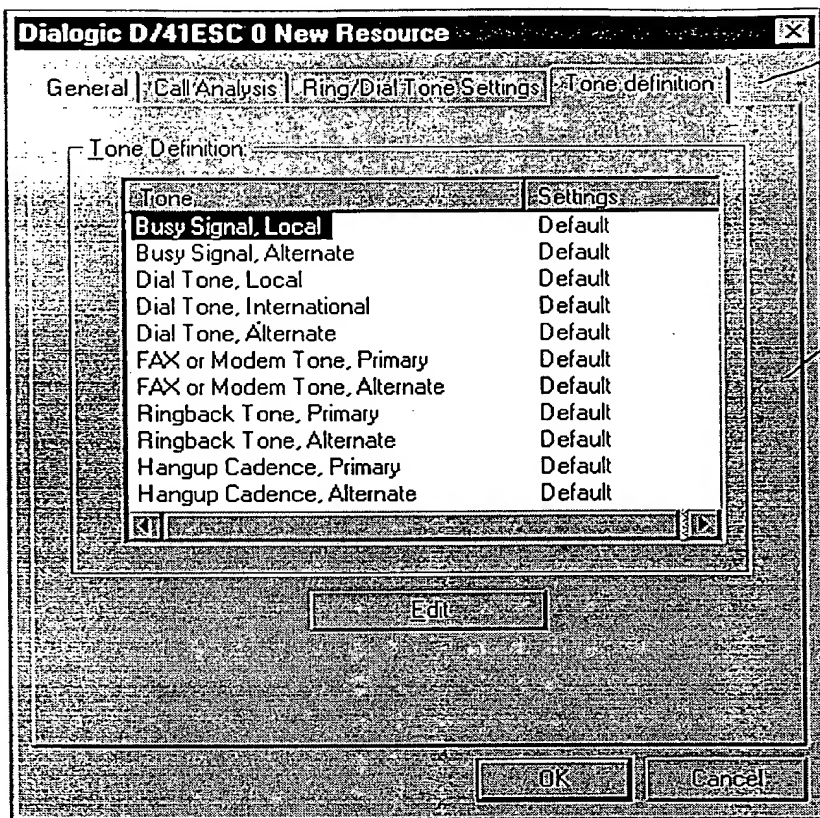


Fig. 71

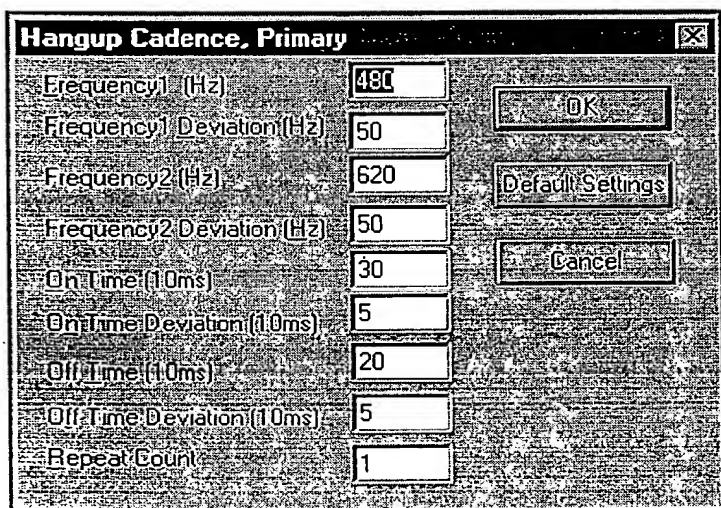


Fig. 72

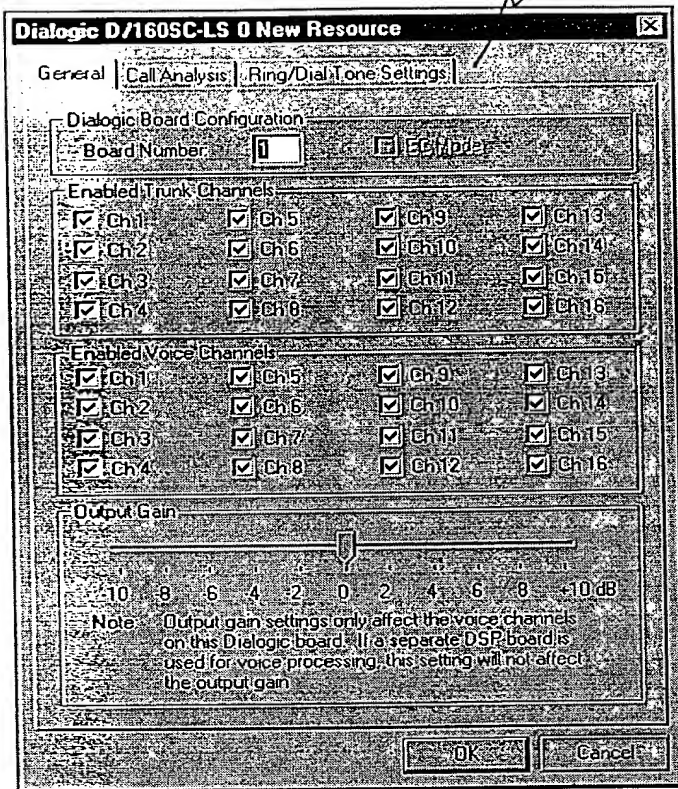


Fig. 73

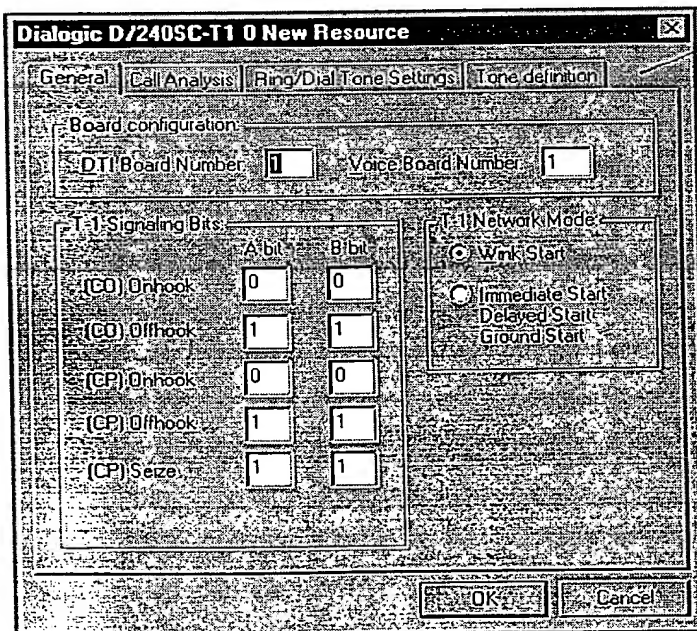


Fig. 74

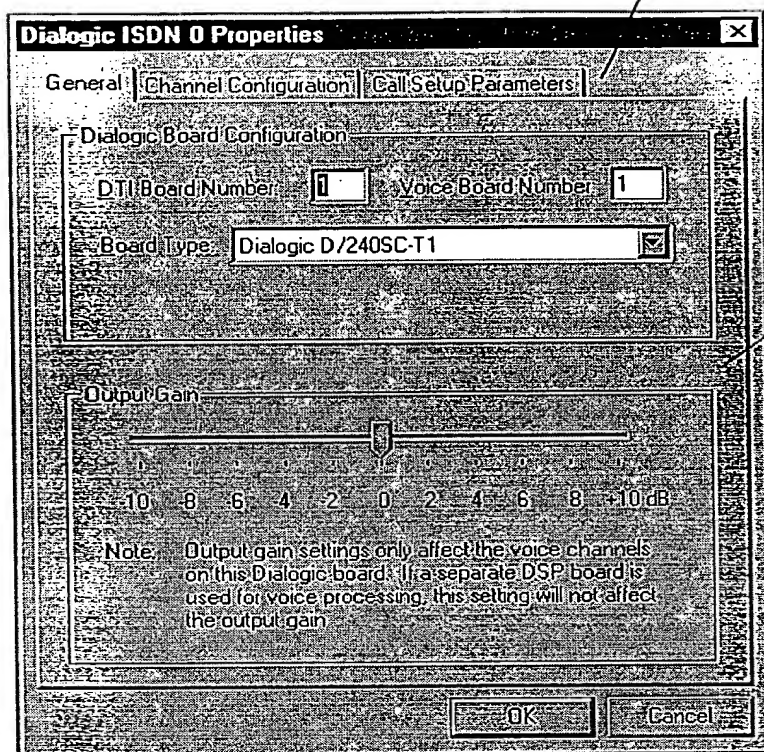


Fig. 75

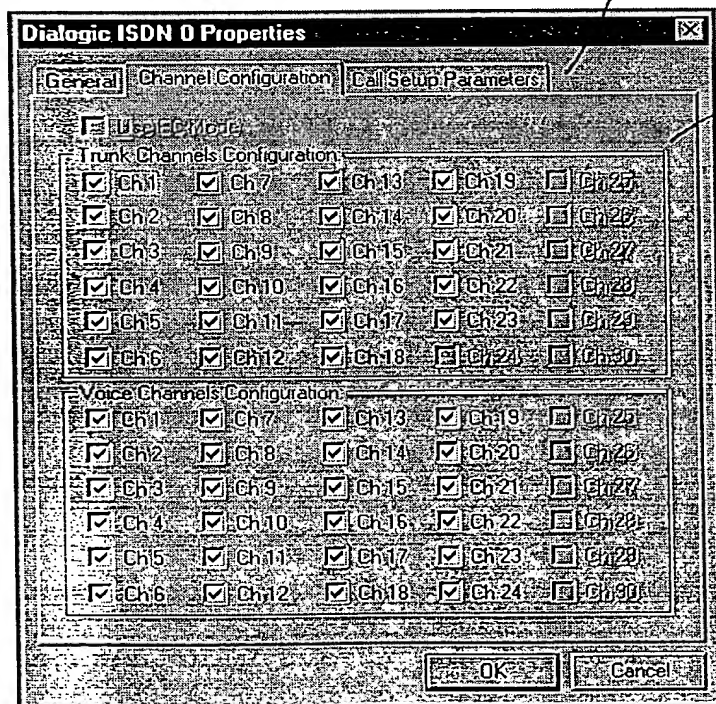


Fig. 76

The screenshot shows the 'Dialogic ISDN 0 Properties' dialog box with the 'Channel Configuration' tab selected. The dialog is divided into three main sections: 'Destination Number Information', 'Originating Number Information', and 'Network Settings'. Each section contains several configuration options with checkboxes and text input fields.

Section	Option	Value / Selection	Checkbox
Destination Number Information	Destination Number Type	Number is sent en bloc	<input checked="" type="checkbox"/>
	Destination Number Plan	ISDN (E.164)	<input checked="" type="checkbox"/>
	Connection Timeout (sec)	30	
Originating Number Information	Originating Number Type	Local	<input checked="" type="checkbox"/>
	Originating Number Plan	ISDN (E.164)	<input checked="" type="checkbox"/>
	Originating Number	7364862	
Network Settings	Layer 1 Protocol	Default	<input checked="" type="checkbox"/>

At the bottom of the dialog, there are 'OK' and 'Cancel' buttons.

Fig. 77

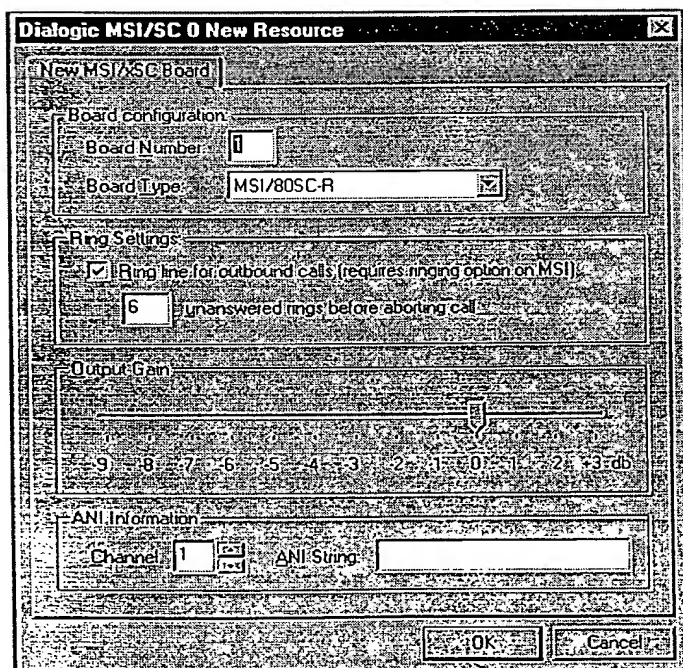


Fig. 78

00527920 031700 00671E0 02672560

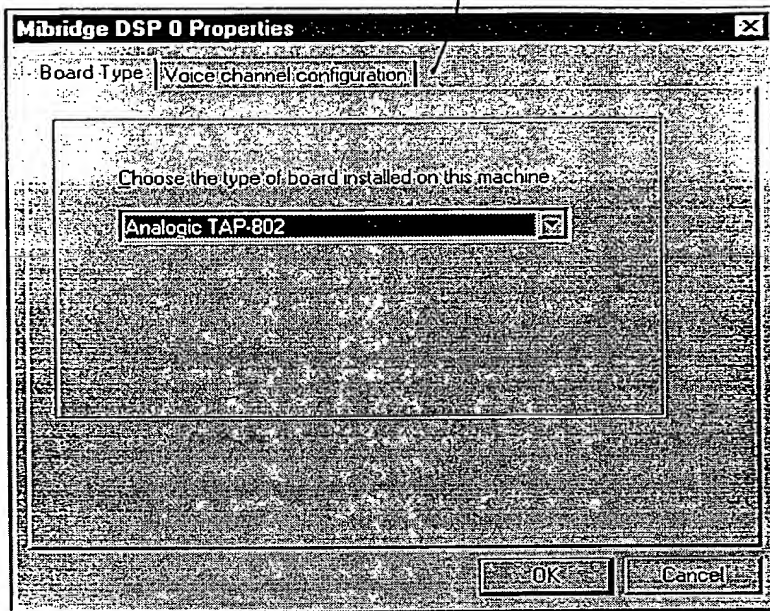


Fig. 79

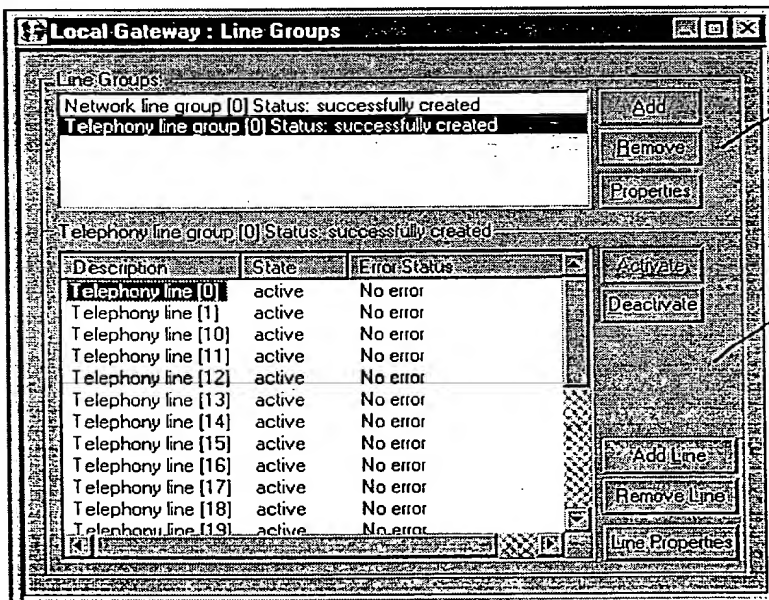


Fig. 80

Telephony line group [0] Status: successfully created

General | Hangup Settings | Integration digit settings

Maximum Connect Time: 0 (sec)

Line allocation strategy: Lowest line allocated

Support for DID Lines: ☐ Enable Support for DID

Min Digits Accepted: 4

Max Digits Accepted: 4

Collection Time Limit: 1000 (msec)

OK Cancel

1-8102

Telephony line group [0] Status: successfully created

General | Hangup Settings | Integration digit settings

Silence triggered hangup settings

Disconnection: **Disable**

Trigger time: **45000** (sec.)

DTMF triggered hangup settings

☒ **Enable DTMF Triggered Hangup**

Hangup Digits:

Digit Interval: **1500** (milli sec.)

OK **Cancel**

~ 8/02

Fig. 82

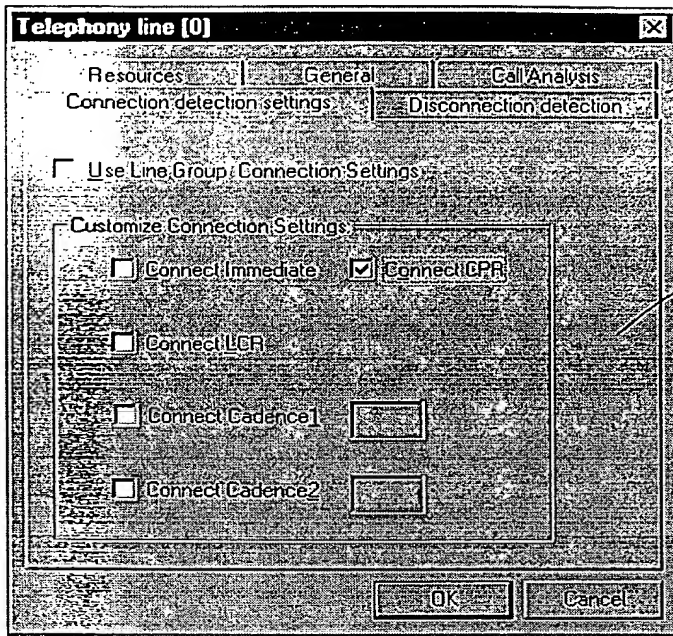


Fig. 85

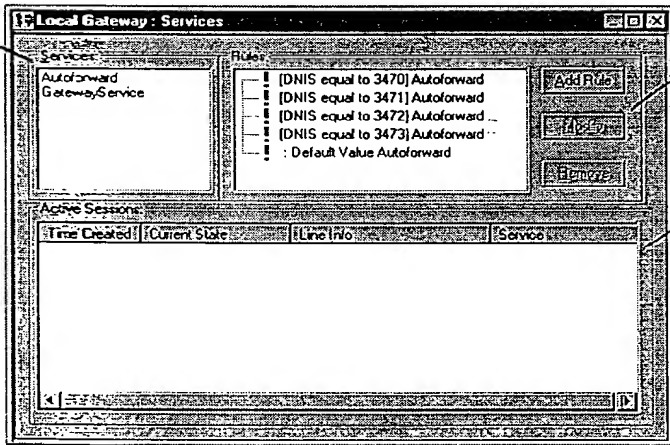
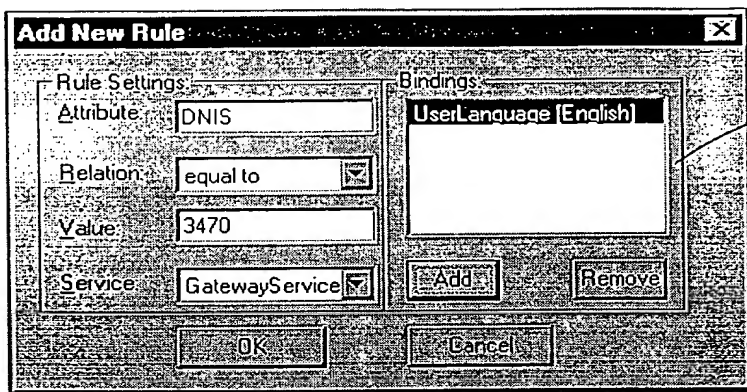


Fig. 86



Category	Sub-category	Value
Total	1990	100.0
	2000	100.0
Agriculture	1990	10.0
	2000	10.0
Industry	1990	20.0
	2000	20.0
Services	1990	70.0
	2000	70.0
Government	1990	0.0
	2000	0.0
Education	1990	5.0
	2000	5.0
Health	1990	3.0
	2000	3.0
Transport	1990	2.0
	2000	2.0
Communication	1990	1.0
	2000	1.0
Other	1990	1.0
	2000	1.0

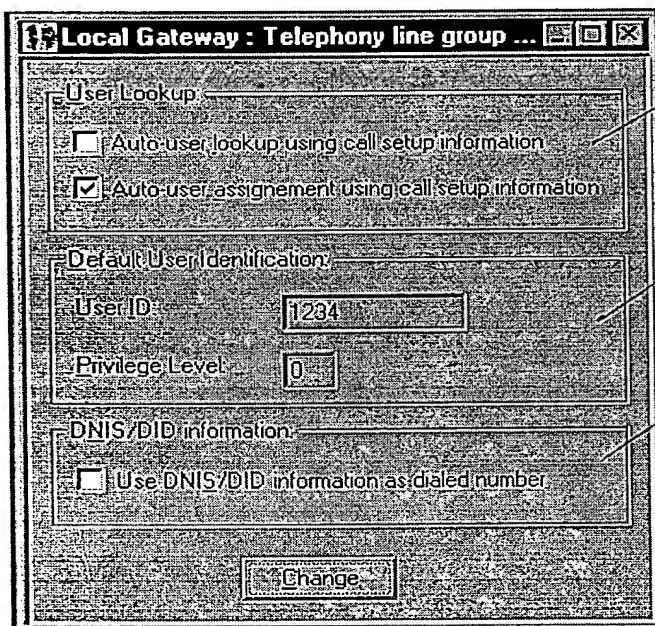


Fig. 88

Change AutoForward Service Settings

Call Address Settings:

Country Code: 1

Area Code: 416

Local Number: 7360901

☒ Enable Voice Prompt:

Voice Prompt: Greeting

OK Cancel

8902

Fig. 89

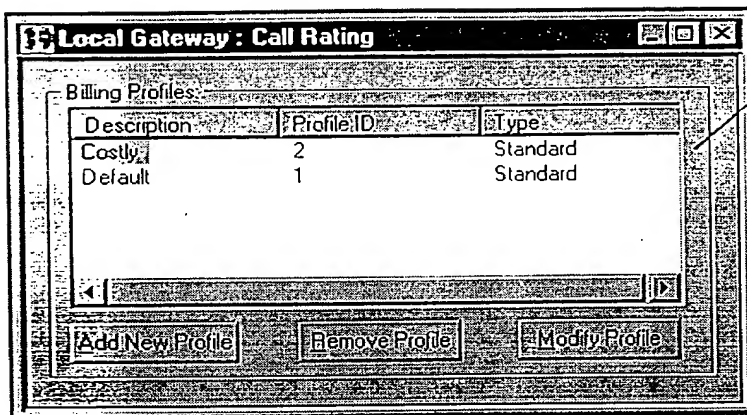


Fig. 90

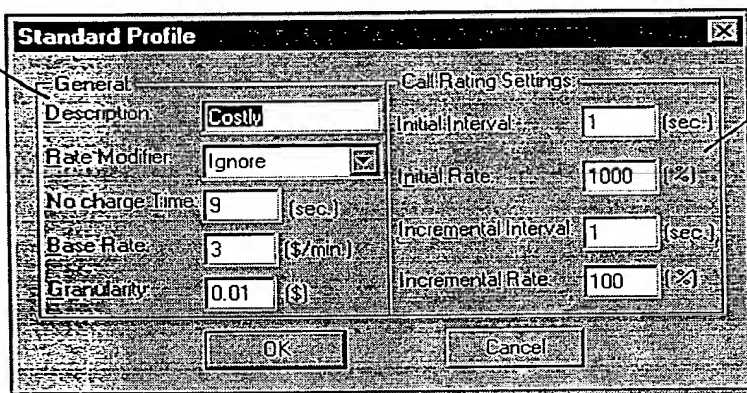


Fig. 91

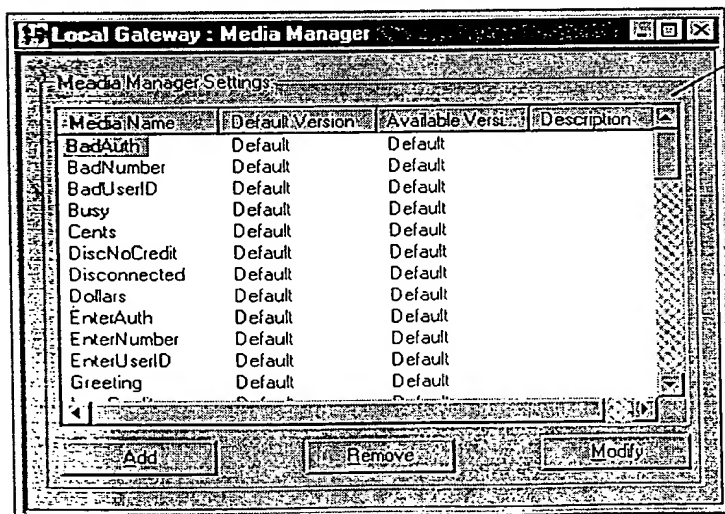


Fig. 92

002790-034700

004160 02642560

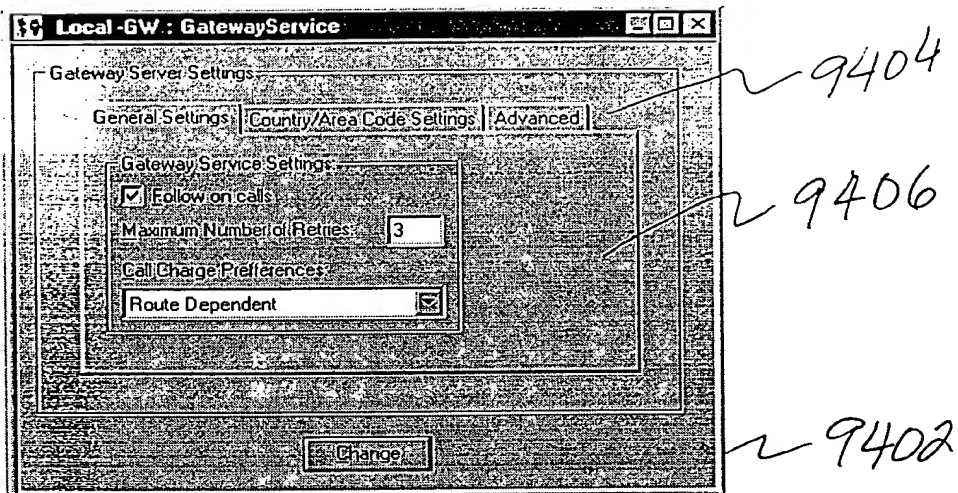


Fig. 94

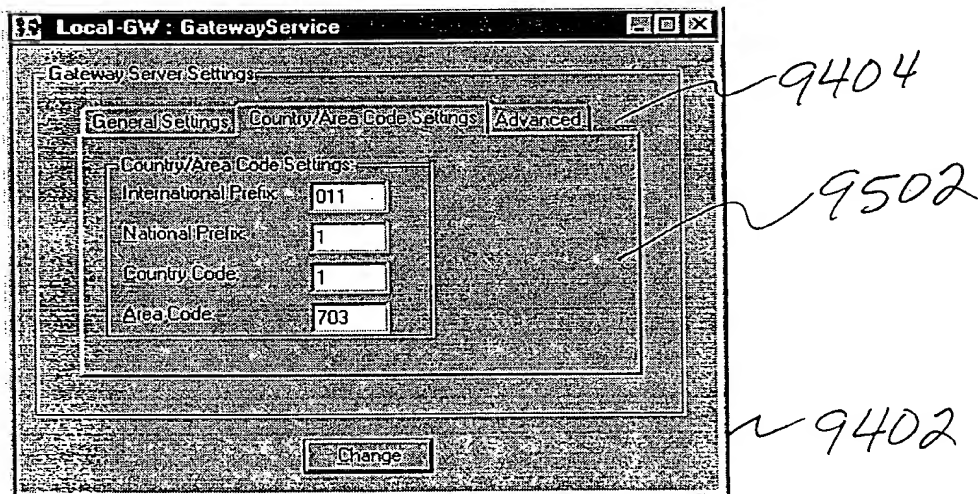


Fig. 95

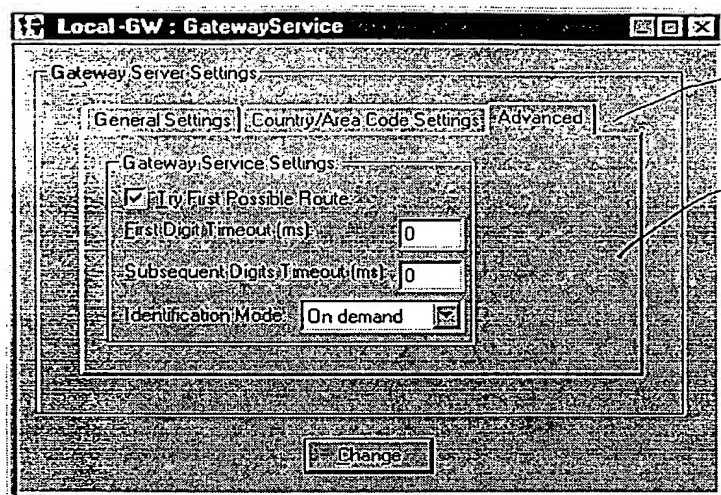


Fig. 96

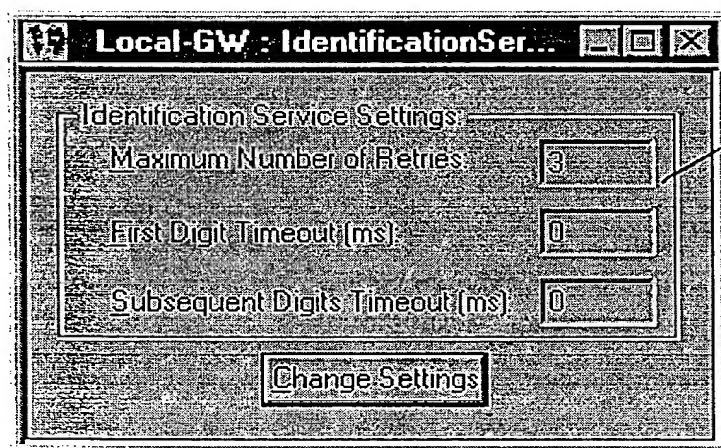
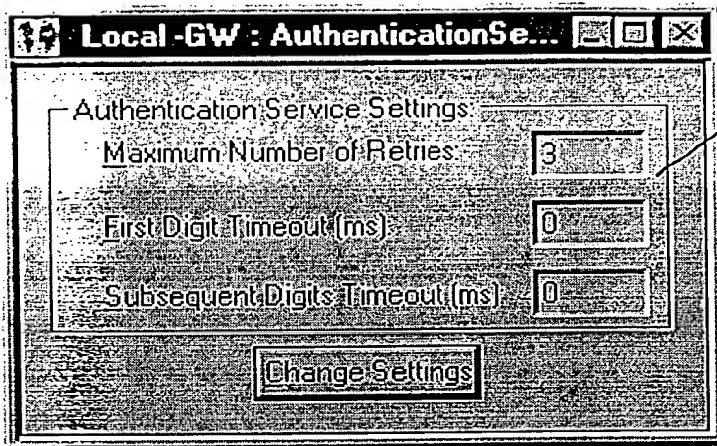


Fig. 97



9804

9802

Fig. 98

0021E0" 02642560

Country Code 1 Settings

General | **Address List**

List of pattern addresses:

Country	Area Co.	Local Number	Extension	
1	AAA	nnnnnnnnn		<input type="button" value="Add"/> <input type="button" value="Remove"/> <input type="button" value="Props"/>

OK Cancel

Fig. 101

New Address

Address | Extra Settings

E164 Address Settings

Country Code:

Area Code:

Phone Number:

Extension:

OK Cancel

Fig. 102

00527920-031700

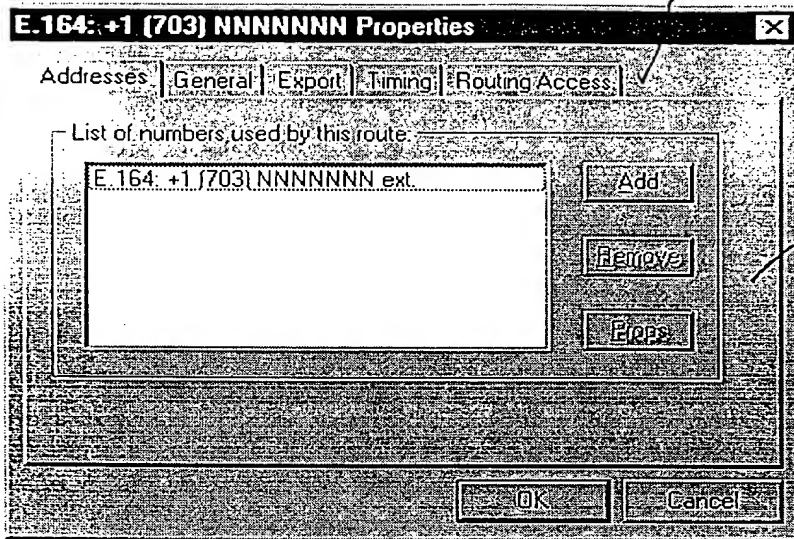


Fig. 103

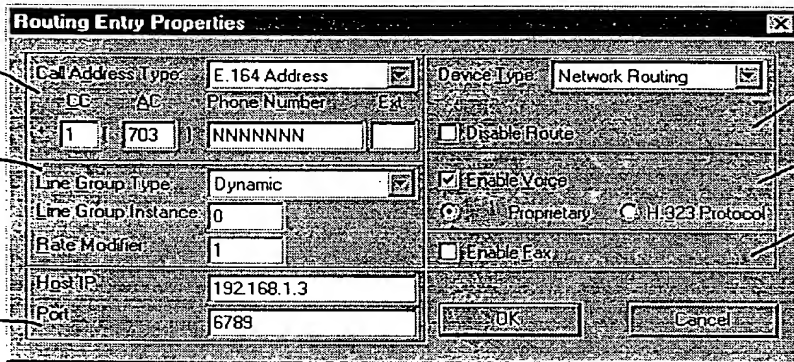


Fig. 104

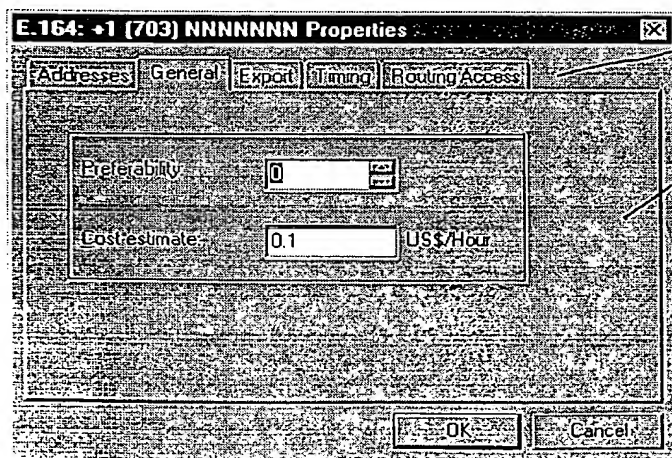


Fig. 105

E.164: +1 (703) NNNNNNN Properties

Addresses | **General** | Export | Timing | Routing Access

☒ Use Timing

Location: ☒ Use Local Time

Time Zone: GMT ☒

Allow Usage Only at these times:

From: Mon 12:00 To: Fri 18:00

Add Change Remove

OK Cancel

10304

10602

10302

Fig. 106

E.164: +1 (703) NNNNNNN Properties

Addresses | General | Export | **Timing** | Routing Access

Routing Access Rules

Rating	Rat	Call Charging	Restri	Requirem
Standard	0	Debit/Credit	NO	UserID=45
Standard	0	Route Dep...	NO	IsIdentified
Standard	0	Debit	NO	GroupID...
Standard	0	No Billing	NO	UserMin...

Add Remove Modify

OK Cancel

10304

10702

10302

Fig. 107

00527920:031700

New GW : Routing

General Settings

Cache Timeout: 86400 (seconds)

Dynamic routing usage: Use if no cached routes available

Error Log File: RMEErrorLog

[Change Settings](#)

Route Ordering

Address	Change
Cost Estimate	
Preference	
Quality of Service	
Static Routes	

Routing Servers

Server Name	Status
TestServer1	Disconnected

[Add](#)
[Properties](#)
[Remove](#)

[List Box]

Fig. 110

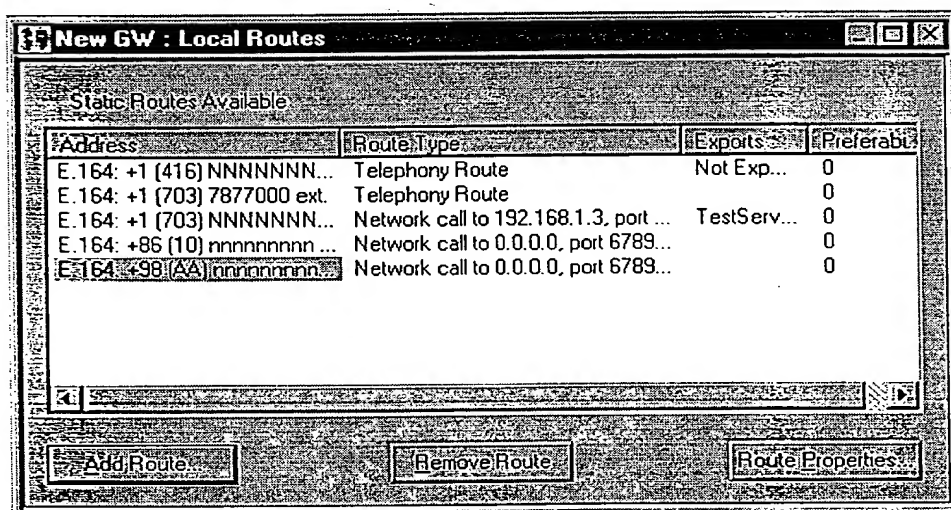


Fig. 111

New GW : Server "TestServer1" Properties

Exported Routes Access | Imported Routes Access

Exported Routes Ordering | Imported Routes Ordering

General | Exported Routes Usage | Imported Routes Usage

Server Identification:

Server Name:

IP Address:

Port No.:

Exporting/Importing:

☒ Send Exported Routes to this Server

☒ Accept Disseminated Routes from this Server

☒ Use Imported Route Parameters for Disseminated Routes

Search Order:

(This is the order in which this server will be queried for routes during a dynamic route search)

OK Cancel

Fig. 112

New GW : Server "TestServer1" Properties

Exported Routes Access Imported Routes Access

Exported Routes Ordering Imported Routes Ordering

General Exported Routes Usage Imported Routes Usage

Usage Info:

Usage Condition: ☒ Replace Route Settings

Line Group Type: ☒ Dynamic

Line Group Instance:

Rate Modifier:

Network Route Settings:

IP Address:

Port No.:

Network Protocol: ☒ Proprietary ☐ H323

OK Cancel

Fig. 113

0047ED-02622560

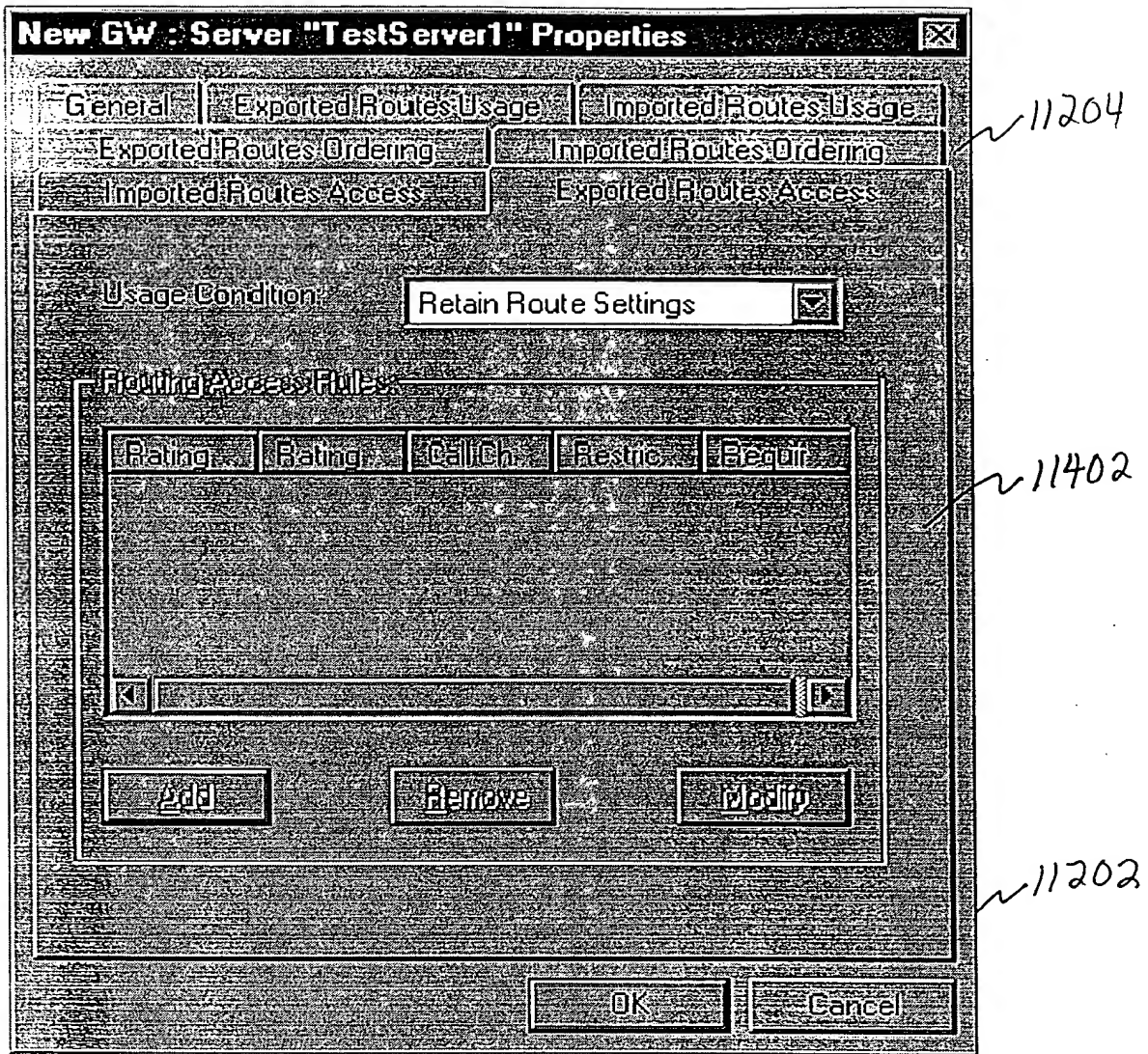


Fig. 114

00527920-031700

New GW : Server "TestServer1" Properties [X]

Exported Routes Access	Imported Routes Access
General	Exported Routes Usage
Exported Routes Ordering	Imported Routes Ordering

Ordering Info

Usage ☒ Retain Route Settings

Preferability:

Cost Estimate:

Quality of Service:

OK Cancel

~11204

~11502

~11202

Fig. 115

New GW : Server "TestServer1" Properties

Exported Routes Access	Imported Routes Access
Exported Routes Ordering	Imported Routes Ordering
General	Exported Routes Usage
Imported Routes Usage	

Routes Info:

☒ Telephony Routes Accepted

☒ Network Routes Accepted

Usage Info:

Usage Condition: **Retain Route Settings** ☒

Rate Modifier:

OK Cancel

11204

11604

11602

11606

11202

Fig. 116

00527920.031700
0077ED 02622560

New GW : Server "TestServer1" Properties [X]

General | Exported Routes Usage | Imported Routes Usage
Exported Routes Ordering | Imported Routes Ordering
Exported Routes Access | Imported Routes Access

Usage Condition: Retain Route Settings ☒

Routing Access Rules:

Rating	Rating	Call Ch	Restric	Requir

◀ ▶

Add Remove Modify

OK Cancel

~ 11204

~ 11702

~ 11202

Fig. 117

00527920-03100

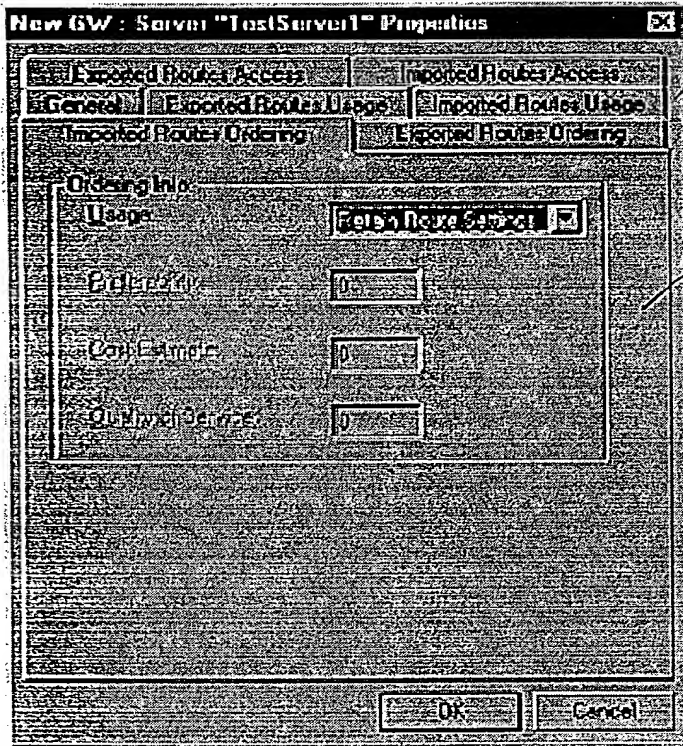


Fig. 118

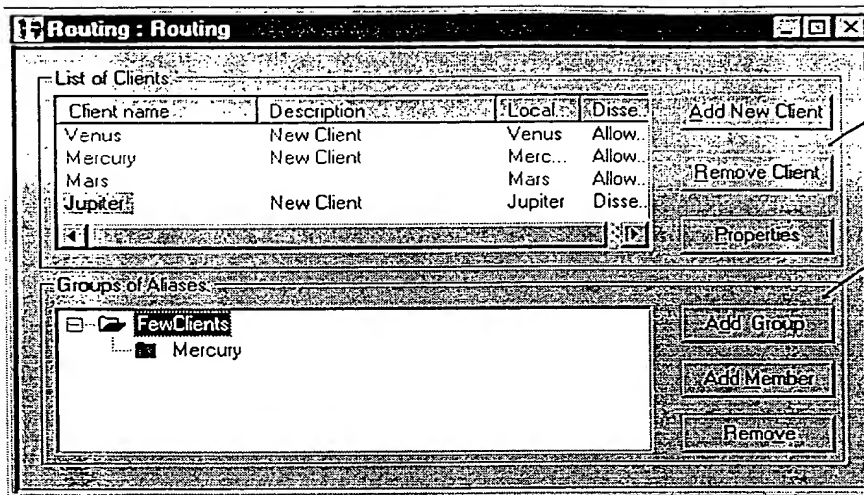


Fig. 119

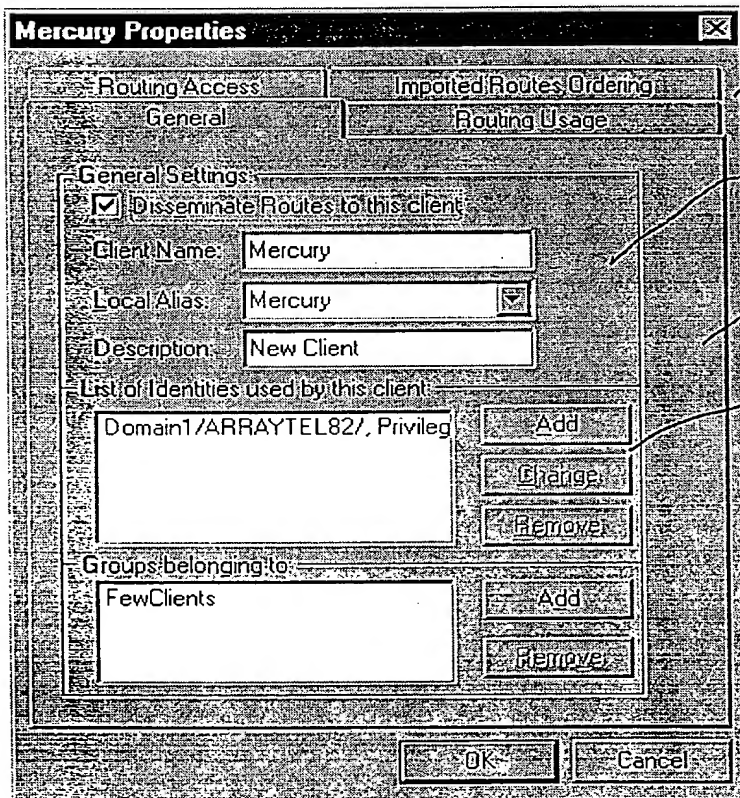


Fig. 120

0027ED-02622560

Mercury Properties

Ordering Information Routing Usage
Routing Access Exported Routes Ordering

Usage Condition ☒ Replace server settings

Routing Access Rules

Rating	Rating	Call Ch...	Restric...	Requir...
Standard	0	No Billi...	NO	

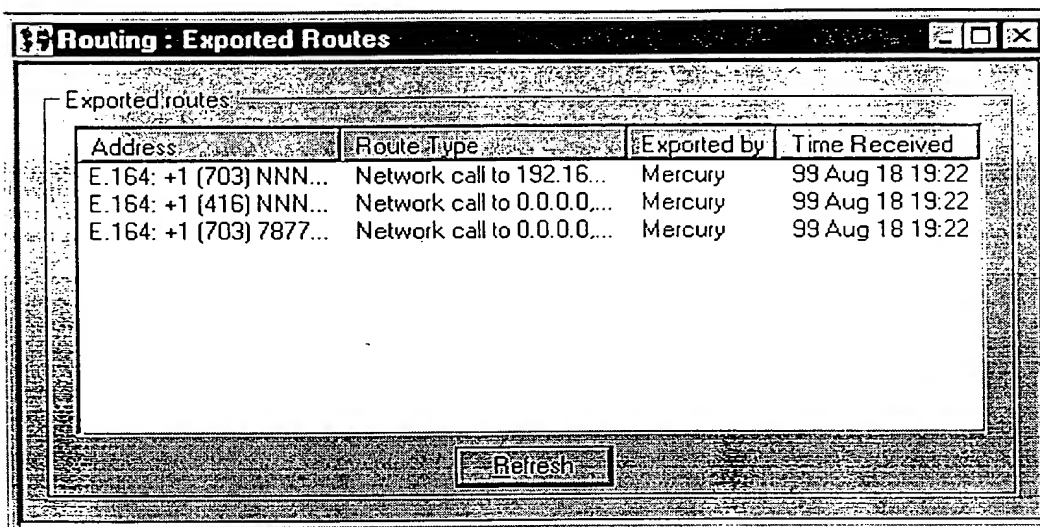
~12104

~12106

~12102

Fig. 121

00527920-031700



Routing : Exported Routes

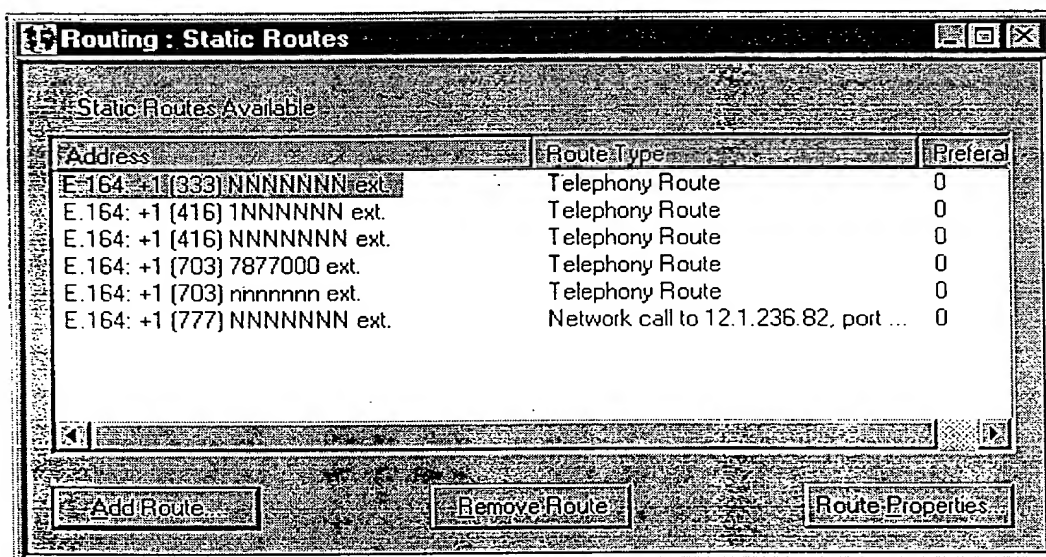
Exported routes:

Address	Route Type	Exported by	Time Received
E.164: +1 (703) NNN...	Network call to 192.16...	Mercury	99 Aug 18 19:22
E.164: +1 (416) NNN...	Network call to 0.0.0.0...	Mercury	99 Aug 18 19:22
E.164: +1 (703) 7877...	Network call to 0.0.0.0...	Mercury	99 Aug 18 19:22

Refresh

~ 12202

Fig. 122



Routing : Static Routes

Static Routes Available

Address	Route Type	Preferal
E.164: +1 (333) NNNNNNNN ext.	Telephony Route	0
E.164: +1 (416) 1NNNNNNN ext.	Telephony Route	0
E.164: +1 (416) NNNNNNNN ext.	Telephony Route	0
E.164: +1 (703) 7877000 ext.	Telephony Route	0
E.164: +1 (703) nnnnnnnn ext.	Telephony Route	0
E.164: +1 (777) NNNNNNNN ext.	Network call to 12.1.236.82, port ...	0

Add Route Remove Route Route Properties

~ 12302

Fig. 123

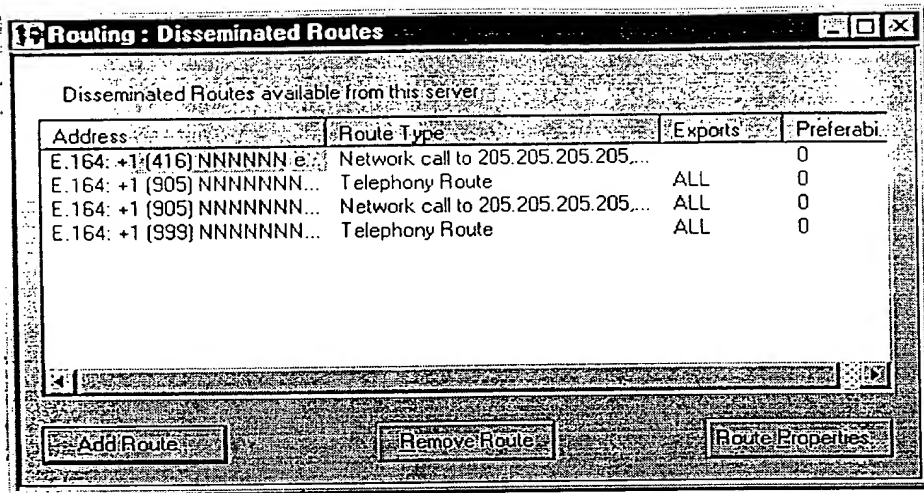


Fig. 124

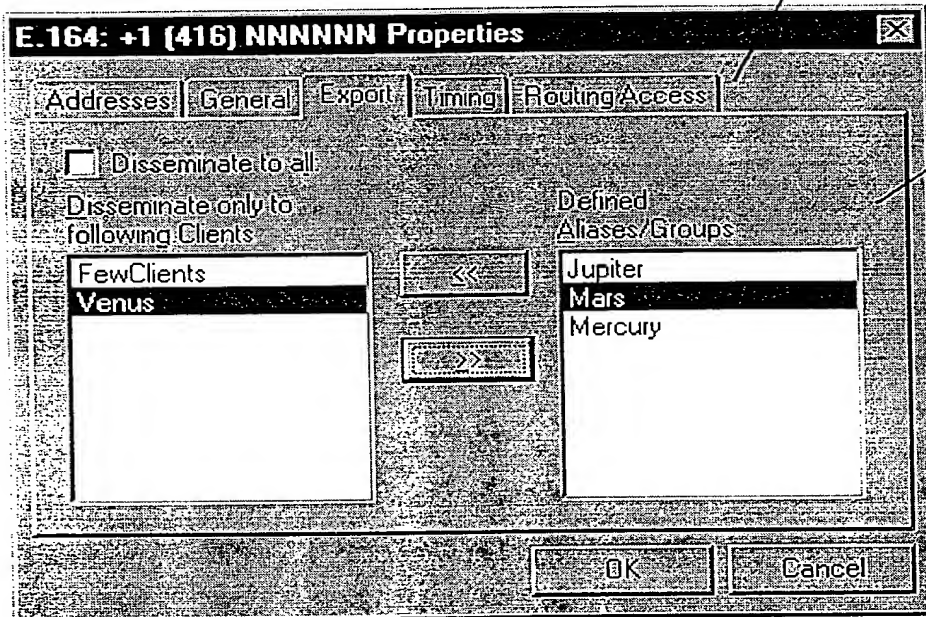
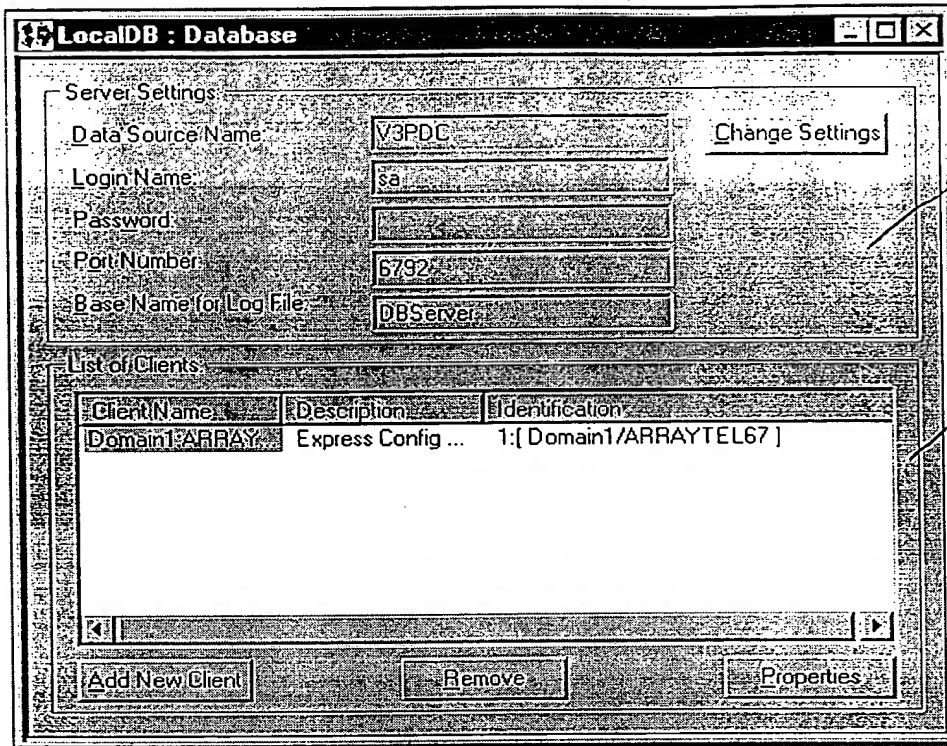


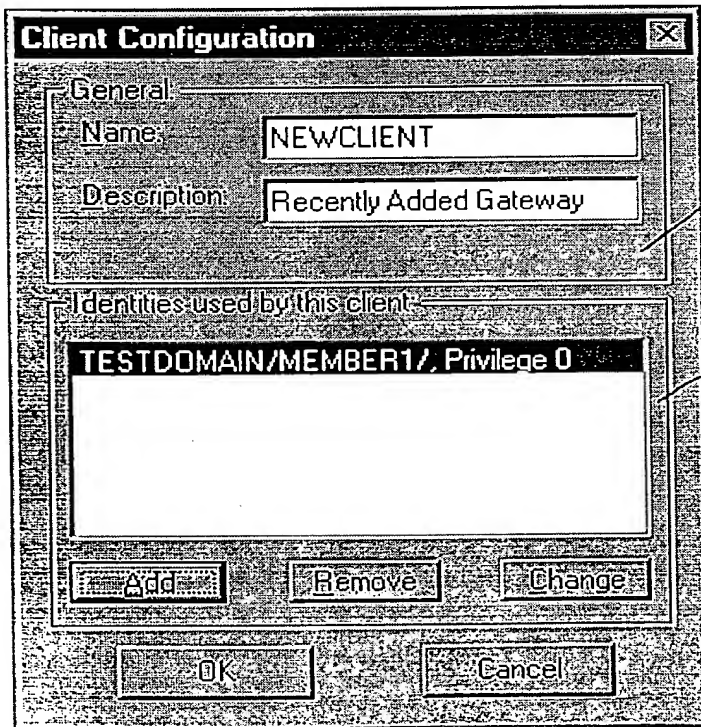
Fig. 125



The 'LocalDB : Database' window is divided into two main sections. The top section, 'Server Settings', contains five labeled text boxes: 'Data Source Name' (V3PDC), 'Login Name' (sa), 'Password' (empty), 'Port Number' (6792), and 'Base Name for Log File' (DBServer). A 'Change Settings' button is located to the right of the 'Data Source Name' box. The bottom section, 'List of Clients', features a table with three columns: 'Client Name', 'Description', and 'Identification'. The table contains one entry: 'Domain1\ARRAY', 'Express Config ...', and '1:[Domain1\ARRAYTEL67]'. Below the table are three buttons: 'Add New Client', 'Remove', and 'Properties'.

Client Name	Description	Identification
Domain1\ARRAY	Express Config ...	1:[Domain1\ARRAYTEL67]

Fig. 128



The 'Client Configuration' window has two sections. The 'General' section contains two text boxes: 'Name' (NEWCLIENT) and 'Description' (Recently Added Gateway). The 'Identities used by this client' section contains a list box with one entry: 'TESTDOMAIN/MEMBER1/, Privilege 0'. Below the list box are three buttons: 'Add', 'Remove', and 'Change'. At the bottom of the window are 'OK' and 'Cancel' buttons.

Identities used by this client
TESTDOMAIN/MEMBER1/, Privilege 0

Fig. 129

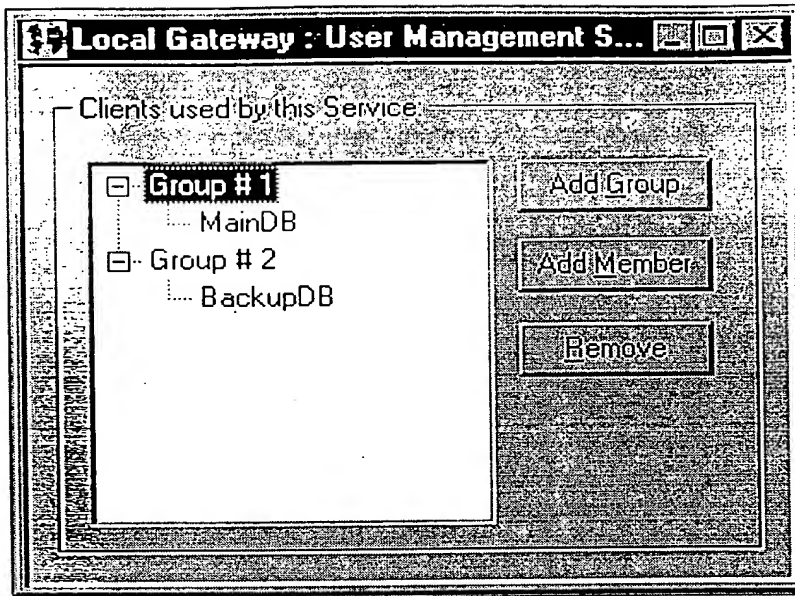


Fig. 130

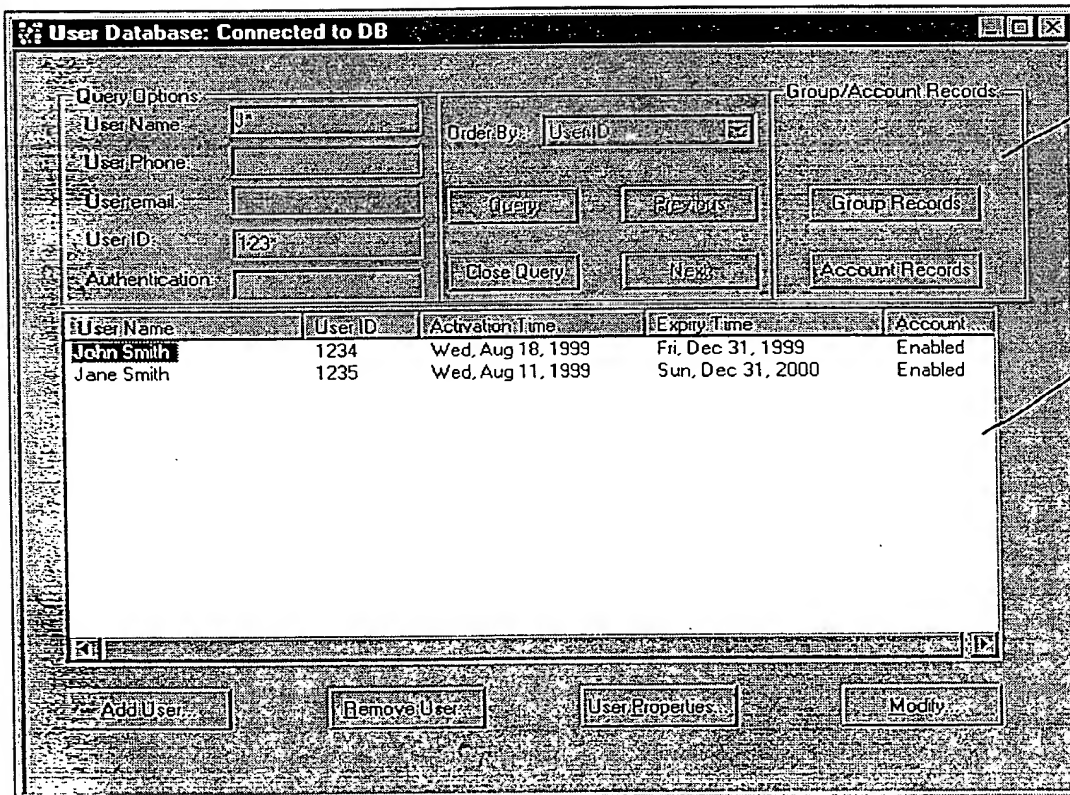


Fig. 131

Add New User

Caller ID Authentication | Account Record Status | Parent Group

Identification | Permissions | Caller ID Ident

Identification

Name: John Smith

Numeric ID: 1234

Authentication:

☒ Not Required ☐ Required ☐ Use Group

Numeric Authentication:

Language Pref: English

Email Address: John.Smith@arraytel.com

Home phone: 1(703)555-1234

Online Announcements:

☒ Use Group ☐ Debt Balance ☐ Time Left

OK Cancel

Fig. 132

John Smith Properties

Caller ID Authentication | Account Record Status | Parent Group

Identification | Permissions | Caller ID Ident

Account Status:

☒ Enable ☐ Disable ☐ Use Group

Permissions:

Normal Privilege: 1

Authenticated Privilege: 2

Concurrent Usage: 1

☐ Use Group Activation Time:

YY MM DD HH:MM

99 8 18 22:00

☐ Use Group Expiry Time:

YY MM DD HH:MM

99 12 31 23:00

Close

Fig. 133

004480-02642560

John Smith Properties [X]

Caller ID Authentication | Account Record Status | Parent Group |

Identification | Permissions | Caller ID Ident

Identification Caller ID

Caller ID strings

Caller ID Str...	Lookup Type
7877000	Caller ID / A...

New String

7877000

Add

Remove

OK Cancel

13204

13402

13202

Fig. 134

John Smith Properties

Identification Permissions Caller ID/Ident

Caller ID Authentication Account Record Status Parent Group

Authentication Caller ID

Caller ID strings:

Authentication	Lookup type
192.168.1.3	IP address o...

New String

192.168.1.3

Add

Remove

OK Cancel

Fig. 135

John Smith Properties

Identification | Permissions | Caller ID Ident

Caller ID Authentication | Account Record Status | Parent Group

Account Record Description

Change Settings

John's Account | Select New

Detach Account

Current Settings:

Account ID	1234
Has Debit Record	YES
Has Credit Record	NO
Rules	
Restrictions	
Rating Profile	0
Max simultaneous connections	1
Billing Exempted Enable	Yes
Billing Credit Enable	No
Billing Debit Enable	Yes

OK Cancel

Fig. 136

John Smith Properties

Identification | Permissions | Caller ID Ident

Caller ID Authentication | Account Record Status | Parent Group

Group Record Description

People named Smith

Select New

Detach Group

Current Settings

Group ID	1234
Status	Enabled
Start Time	Thu, Aug 19, 1999
End Time	Thu, Aug 19, 1999
Account ID	1234
Max simultaneous connections	1
Language Pref	English
Normal Privilege	1
Auth Privilege	1
Description	14656888

OK Cancel

Fig. 137.

Group Record Query

Query Options:

Group ID: 1234

Account ID:

Starting Date:

Ending Date:

Order By: Group ID

☒ Ascending

Query Exit

Close Query New

Account Records

Group ID	Account ID	Starting Date	Ending Date
1234	1234	Thu, Aug 19, 1999	Thu, Aug 19, 1999

Add New Remove Properties Modify

Close

Fig. 138

0021ED 02672560

13904

1234 Change Settings

General | **Timing**

Group ID: 1234

Account ID: 1234

Select New

Detach Account

Privilege Level: 1

☐ Force Authentication

Authentication Level: 1

Max Concurrent Usage: 1

Account Status:

☒ Enable ☐ Disable

Language Pref: English

Group Info: People named Smith

Locked By:

OK Cancel

13906

13902

Fig. 139

Account Record Query

Query Options

Account ID:

Group ID:

User ID:

Billing Type:

Simultaneous Connections: ☐

Order By:

Account Records

Account ID	Debit Record	Credit Record	Rating Profile	Max Connect
1234	YES	NO	0	1
32131	YES	NO	0	1
213121	YES	NO	0	1

14004

14006

14002

004FE0 02642560

14104

1234 Change Settings

General | Profiles and Restrictions

General Settings

Account ID: 1234

☒ Has Debit Record

Balance: 10.00

Maximum Negative Debit: 0.00

Max Connections: 1

Account Info: John's Account

Locked by:

OK Cancel

14106

14102

Fig. 141

The screenshot shows a dialog box titled "1234 Change Settings" with a close button in the top right corner. It has two tabs: "General" and "Profiles and Restrictions", with the latter being the active tab. Inside the "Profiles and Restrictions" tab, there is a section labeled "Profiles" which contains a "Rating Profile" dropdown menu currently set to "C". Below this is a section labeled "Billing flags" containing three checkboxes: "Enable Debit" (checked), "Enable Credit" (unchecked), and "Enable Billing Exempted" (checked). At the bottom of the dialog are "OK" and "Cancel" buttons.

1234 Change Settings

General Profiles and Restrictions

Profiles

Rating Profile: C

Billing flags:

- ☒ Enable Debit
- ☐ Enable Credit
- ☒ Enable Billing Exempted

OK Cancel

Fig. 142

CDR: Connected to DB

Query Options

Time From: [MM-DD-YYYY] [hh:mm:ss]

Time To: [MM-DD-YYYY] [hh:mm:ss]

System Name: []

User Name: []

Call Address: []

OrderBy: [none] []

[Query] [Next]

[Close Query] [Previous]

System Name	Inbound Line	Inbound Line	Outbound Line	Outbound Line	
BULKTEST:GW85	Network line gro...	Network line[29...	Unknown Type[-1]	Unknown Type[-1]	U
BULKTEST:GW85	Network line gro...	Network line[30...	Unknown Type[-1]	Unknown Type[-1]	U
BULKTEST:GW85	Network line gro...	Network line[30...	Unknown Type[-1]	Unknown Type[-1]	U
BULKTEST:GW85	Network line gro...	Network line[32...	Unknown Type[-1]	Unknown Type[-1]	U
BULKTEST:GW85	Network line gro...	Network line[32...	Unknown Type[-1]	Unknown Type[-1]	U
BULKTEST:GW85	Network line gro...	Network line[35...	Unknown Type[-1]	Unknown Type[-1]	U
BULKTEST:GW85	Network line gro...	Network line[36...	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[45]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[45]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[38]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[38]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[38]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[38]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[38]	Unknown Type[-1]	Unknown Type[-1]	V
BULKTEST:GW85	Telephony line g...	Telephony line[45]	Unknown Type[-1]	Unknown Type[-1]	V

1

Fig. 143

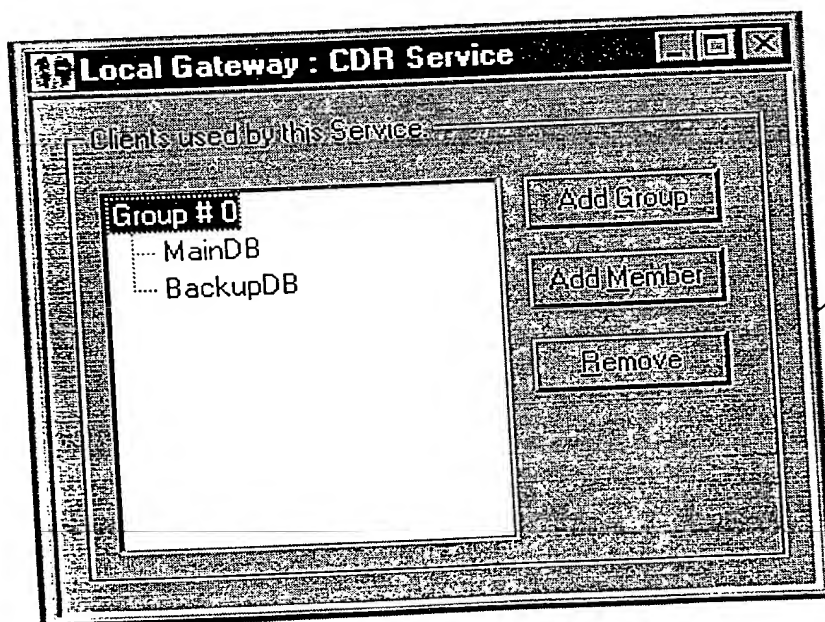


Fig. 144

0001-30.vsd/1

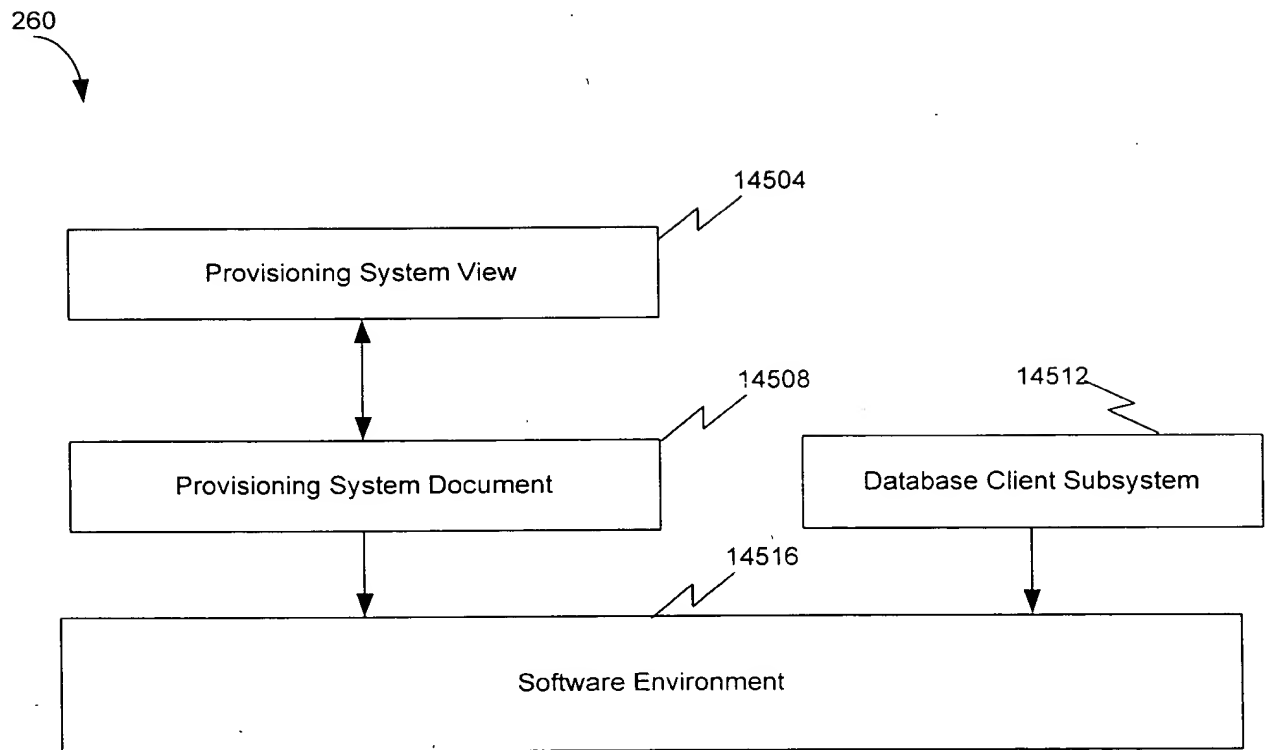


FIG. 145

0002180 0002180

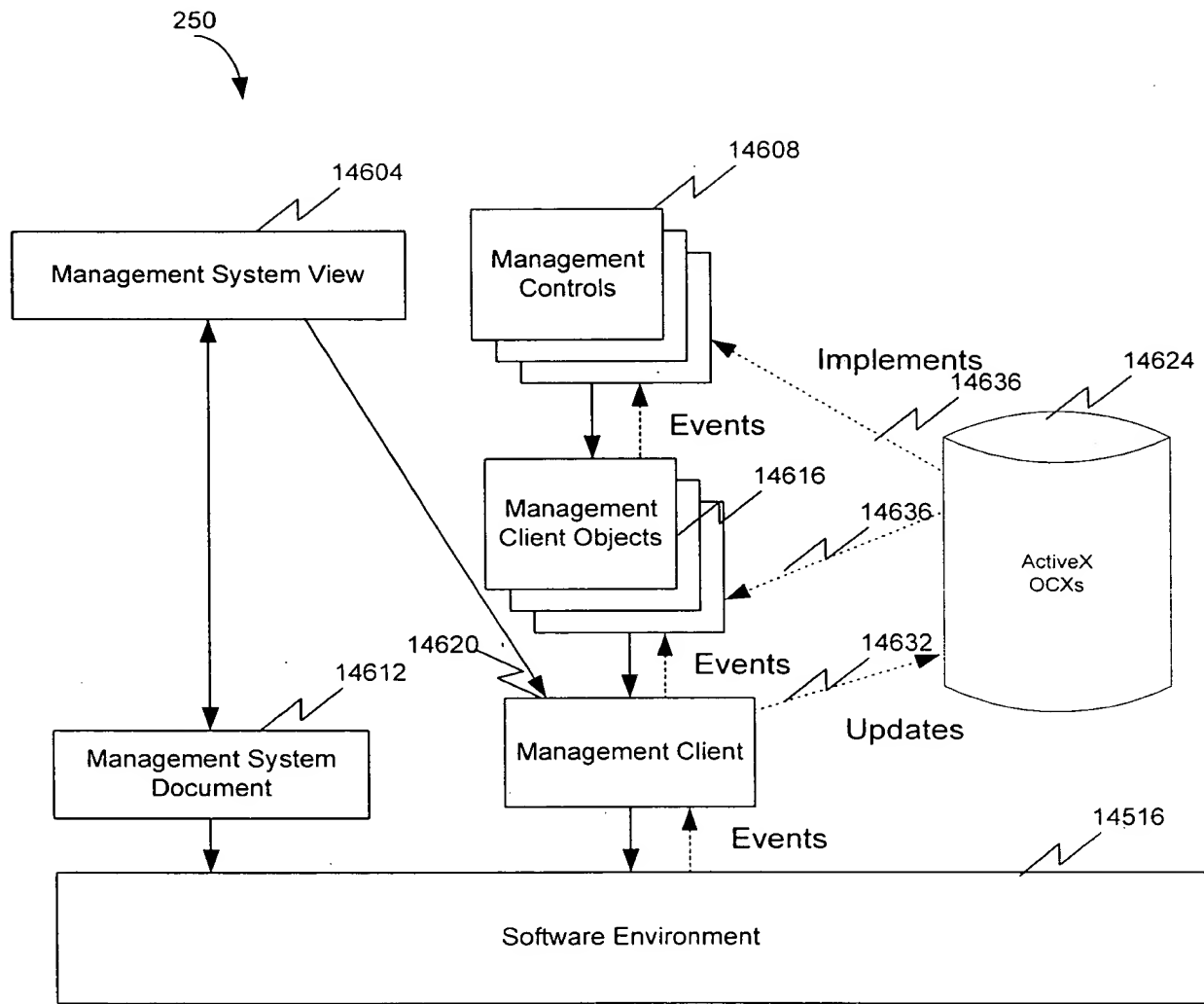


FIG. 146

0001-30.vsd/3

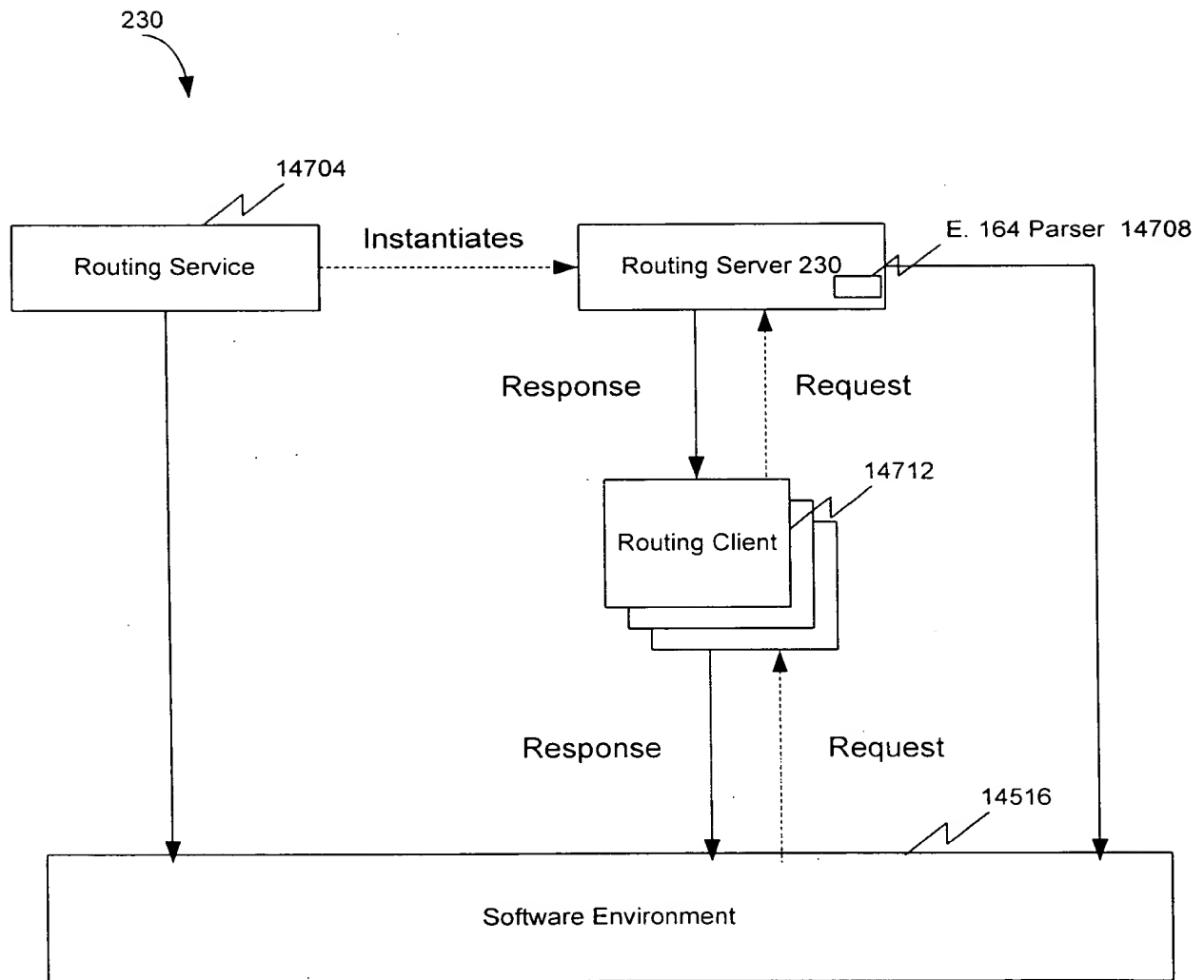


FIG. 147

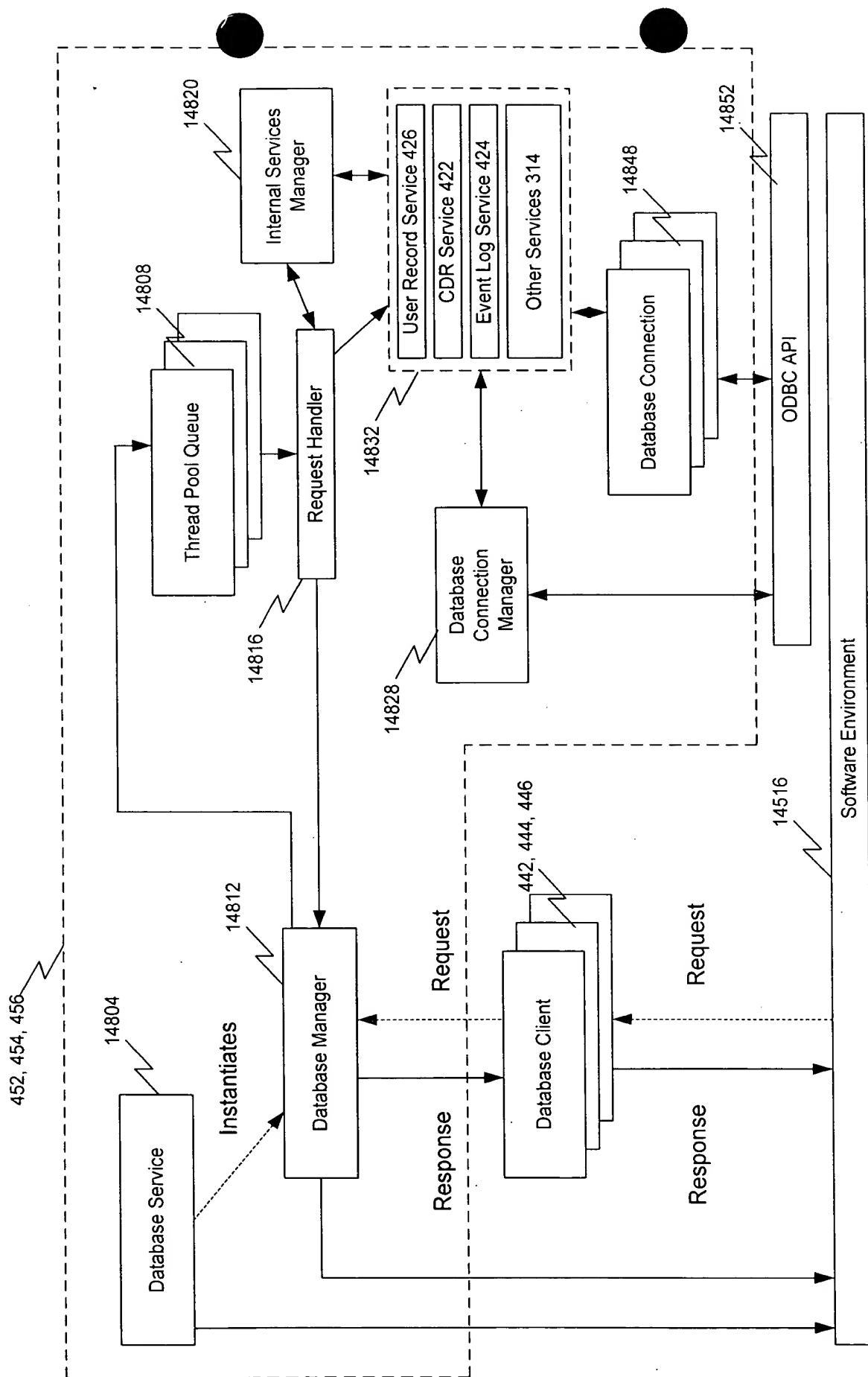


FIG. 148

15000

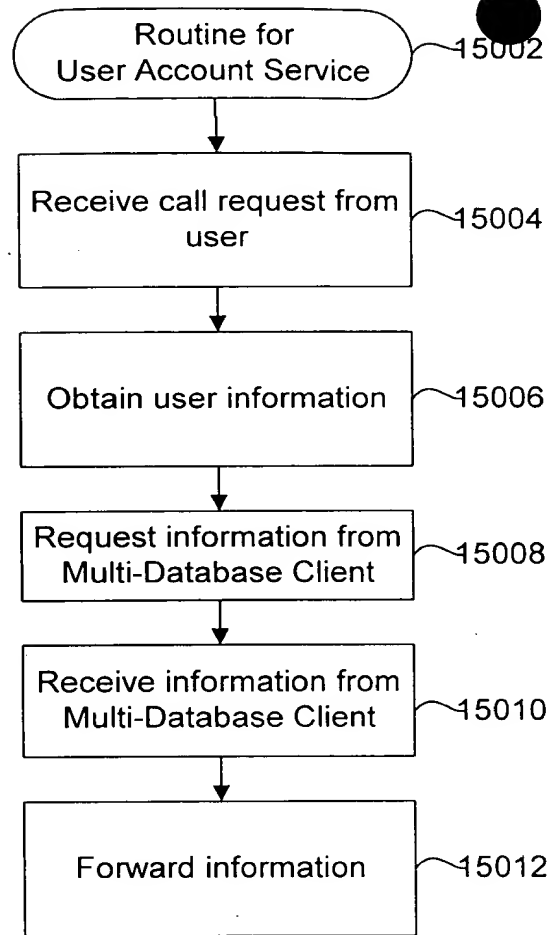


FIG. 150

15100

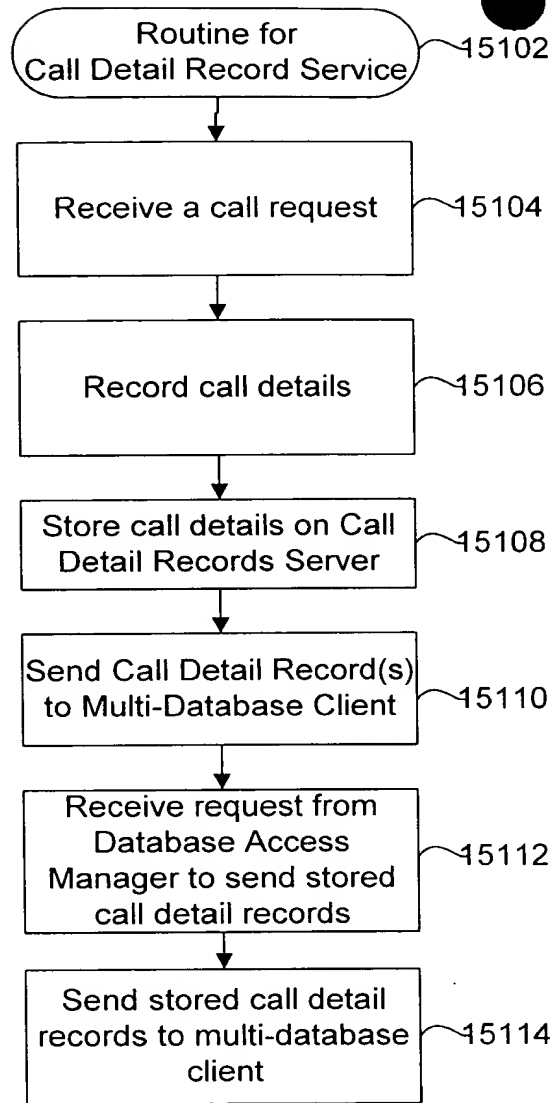


FIG. 151

15200

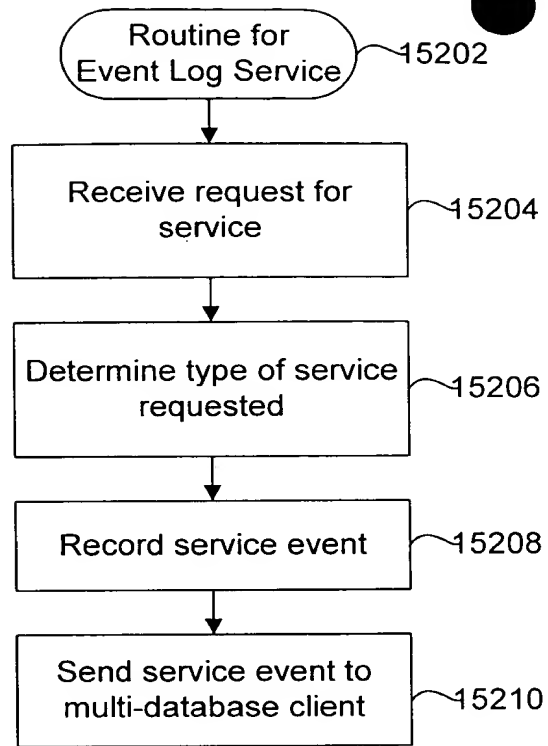


FIG. 152

0001-30.vsd/8

15300

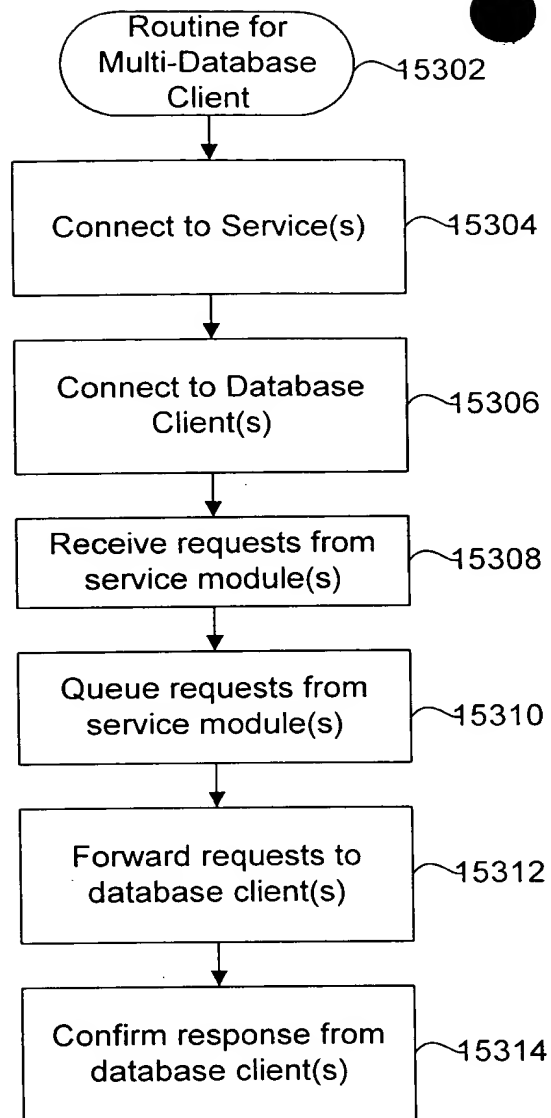


FIG. 153

15400

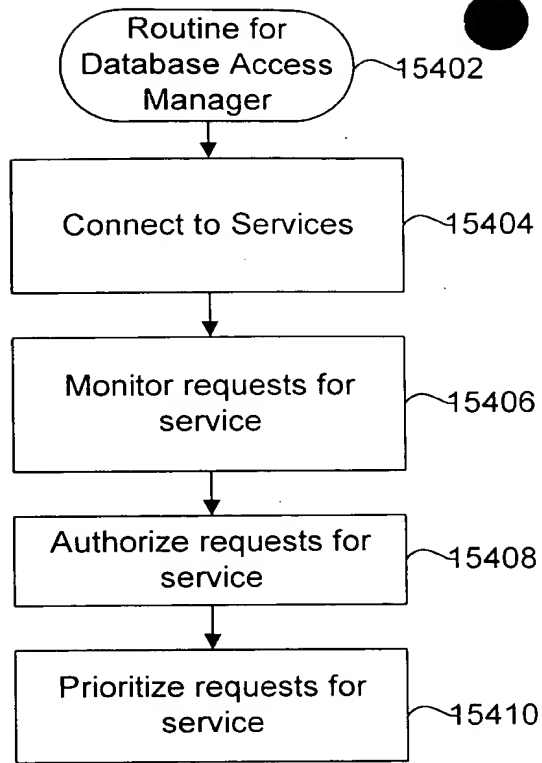


FIG. 154

15500

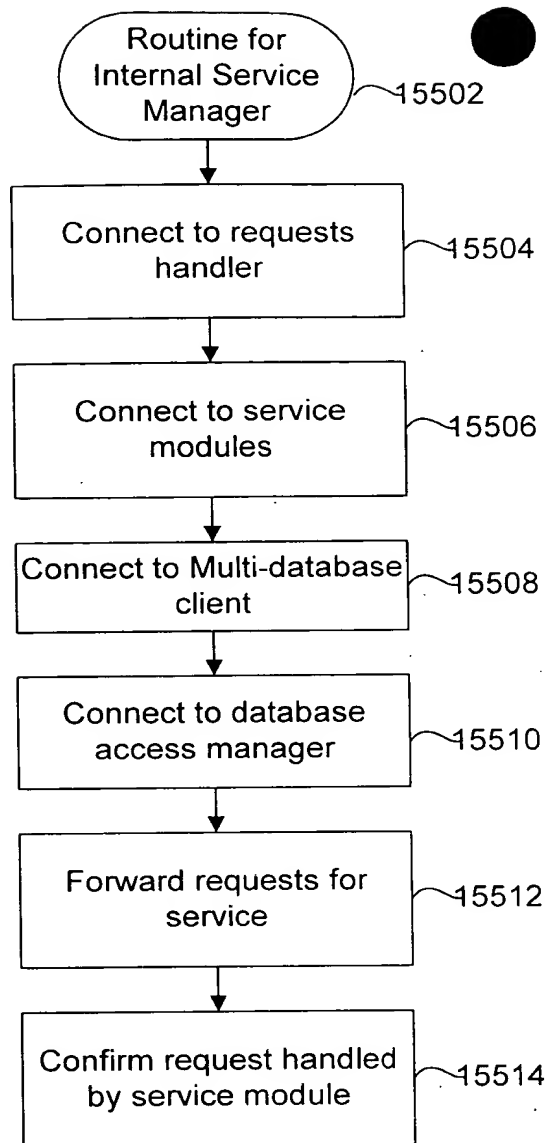


FIG. 155

15600

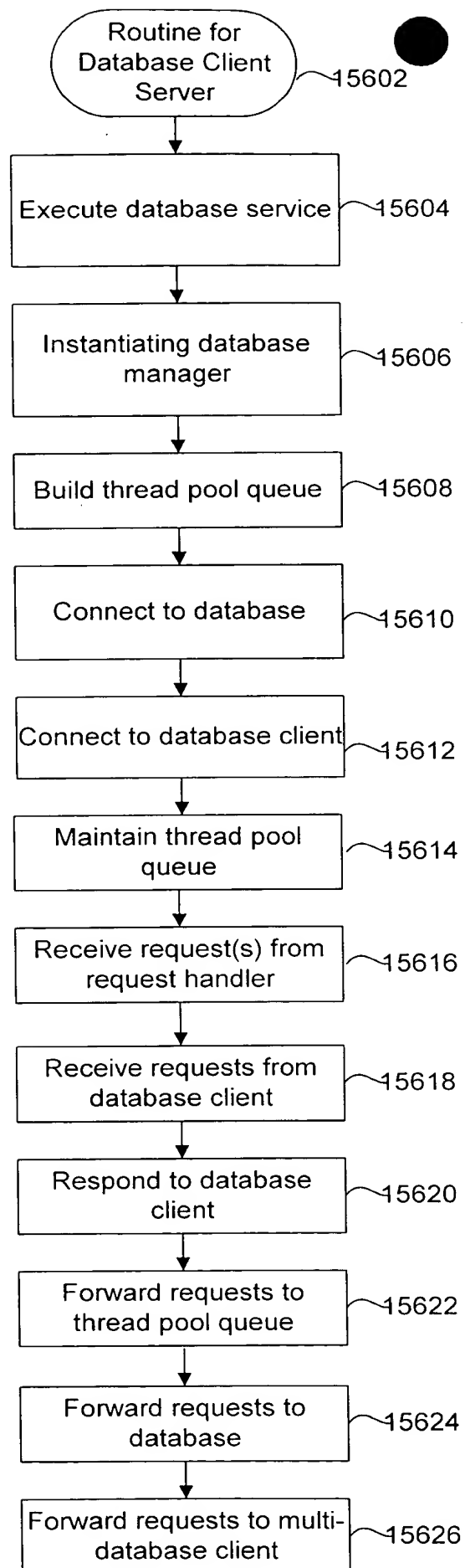


FIG. 156

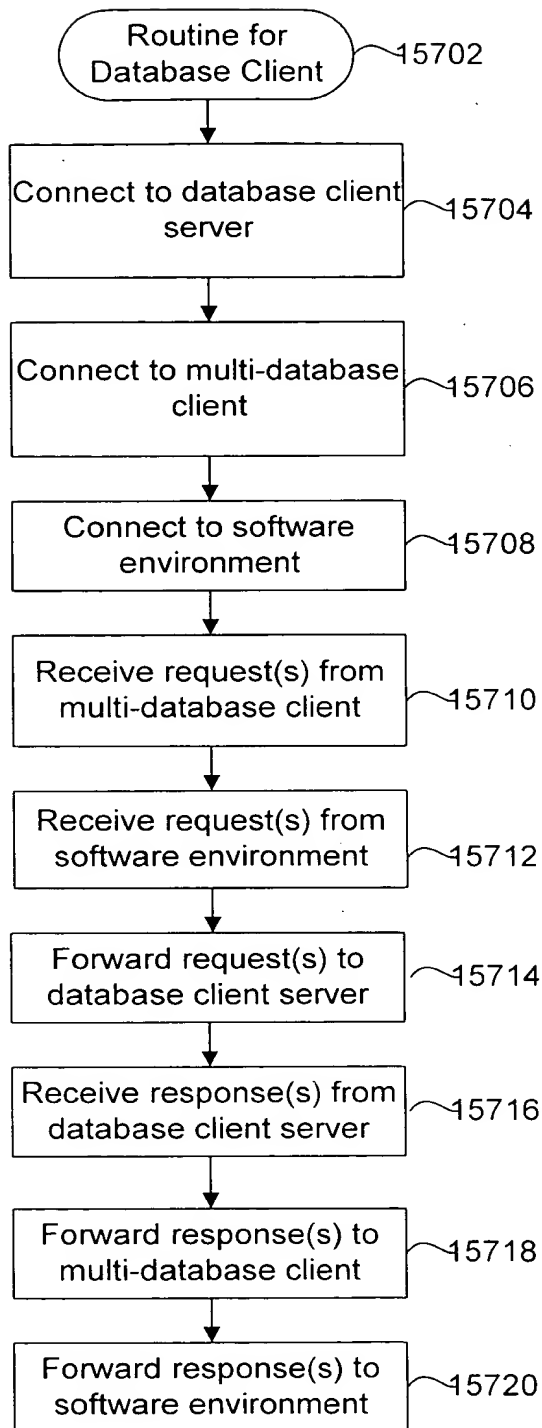


FIG. 157

15800

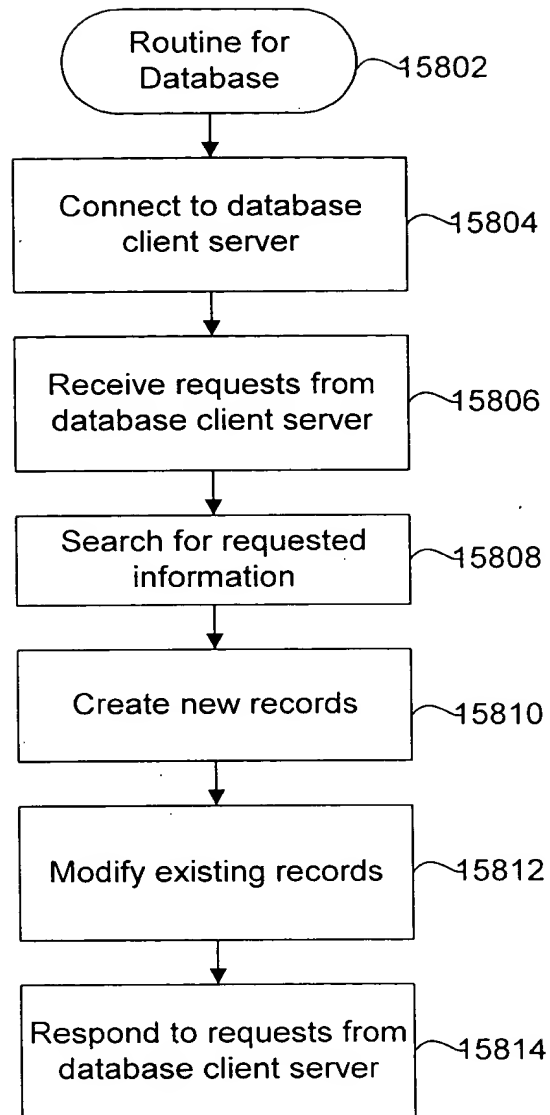


FIG. 158

15900

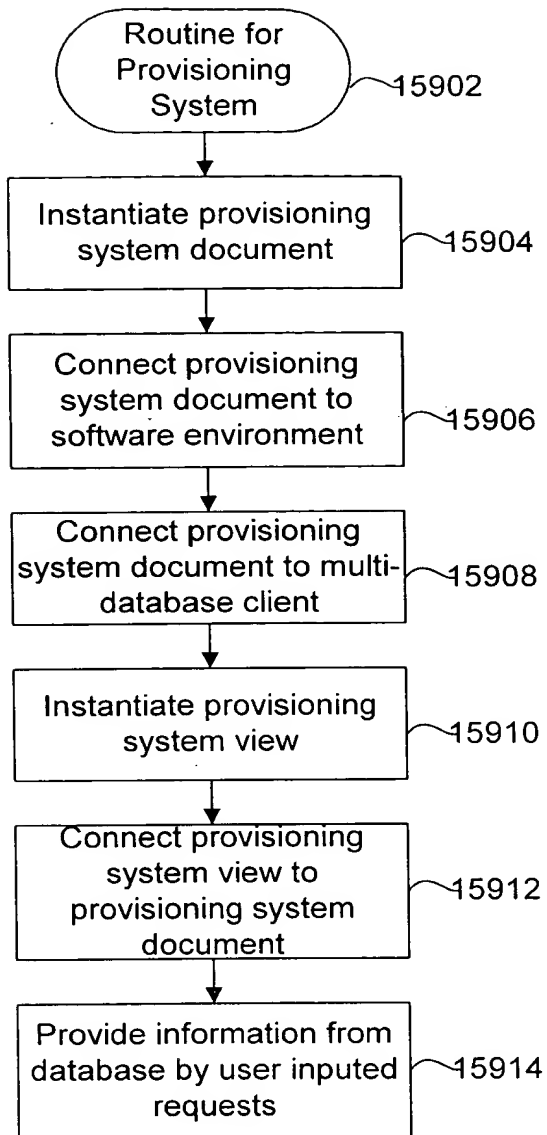


FIG. 159

16000

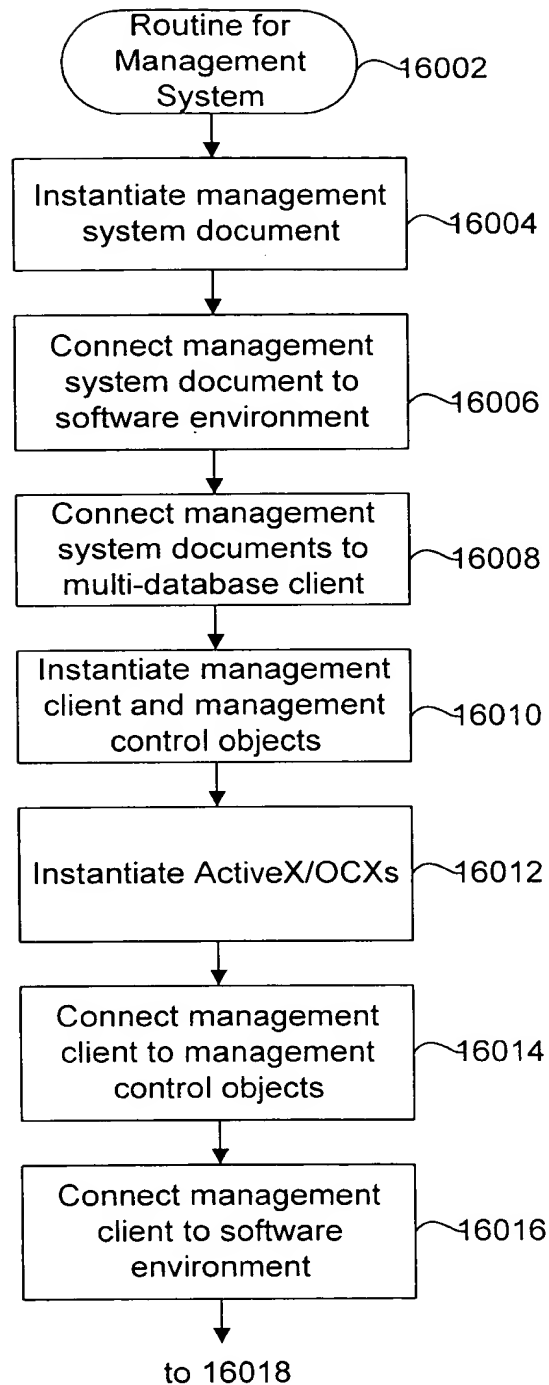


FIG. 160A

16000

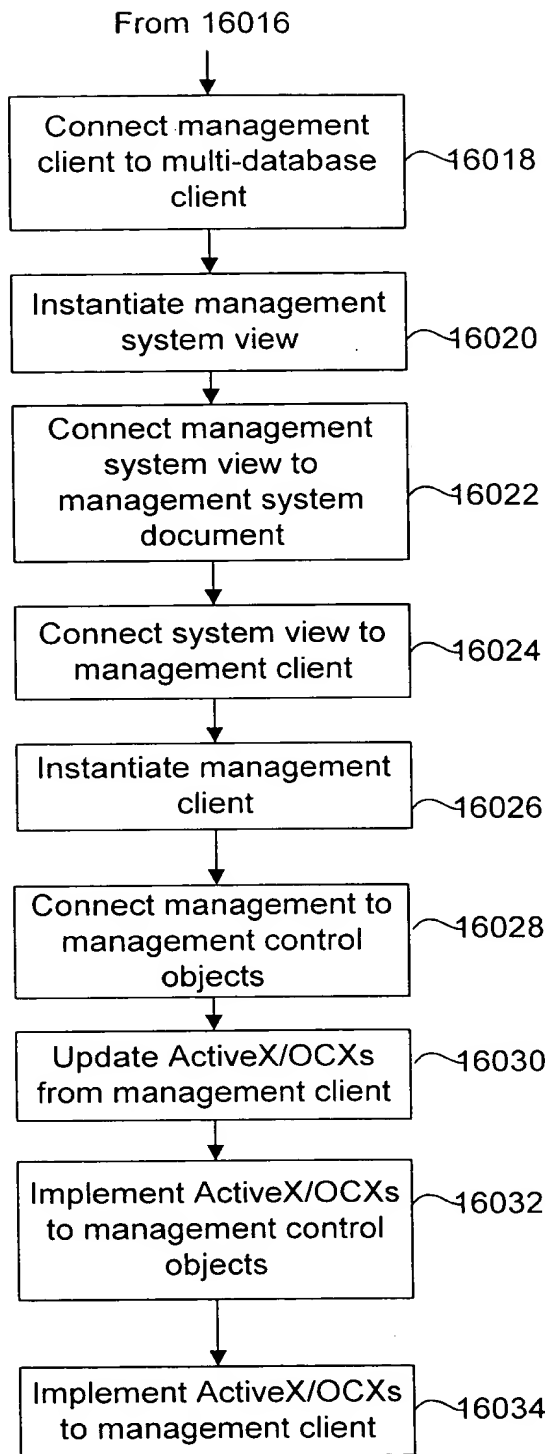


FIG. 160B

16100

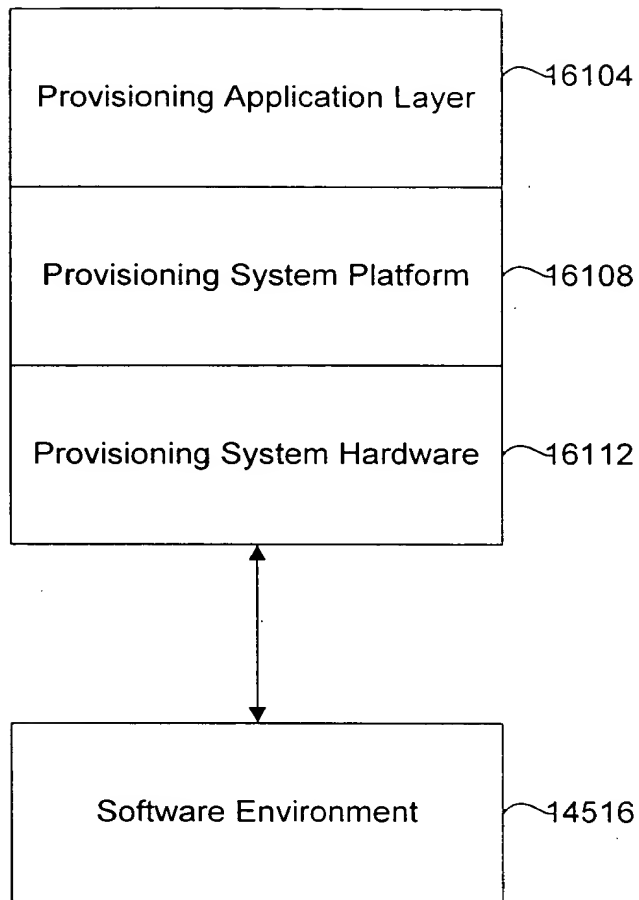


FIG. 161

16200

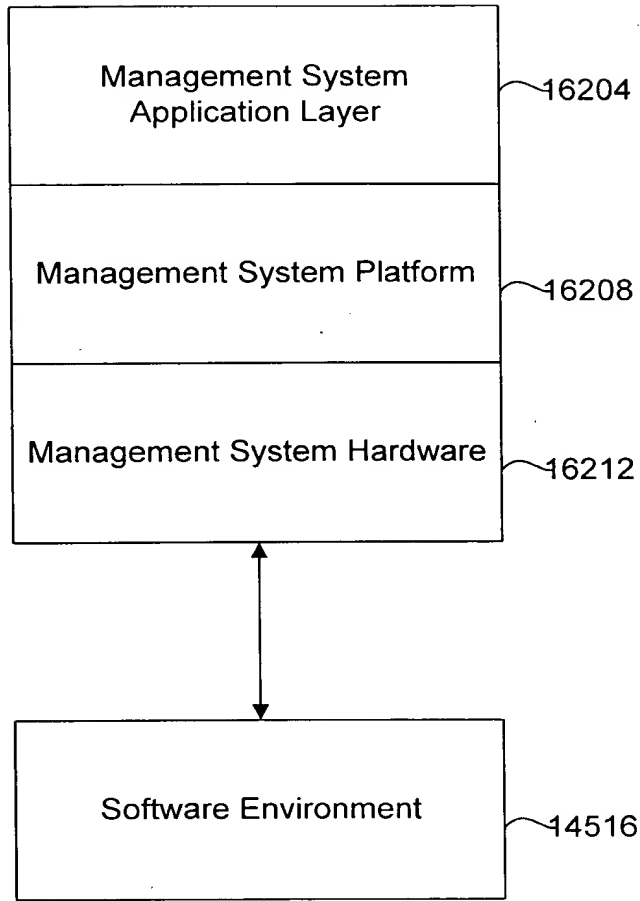


FIG. 162

16300

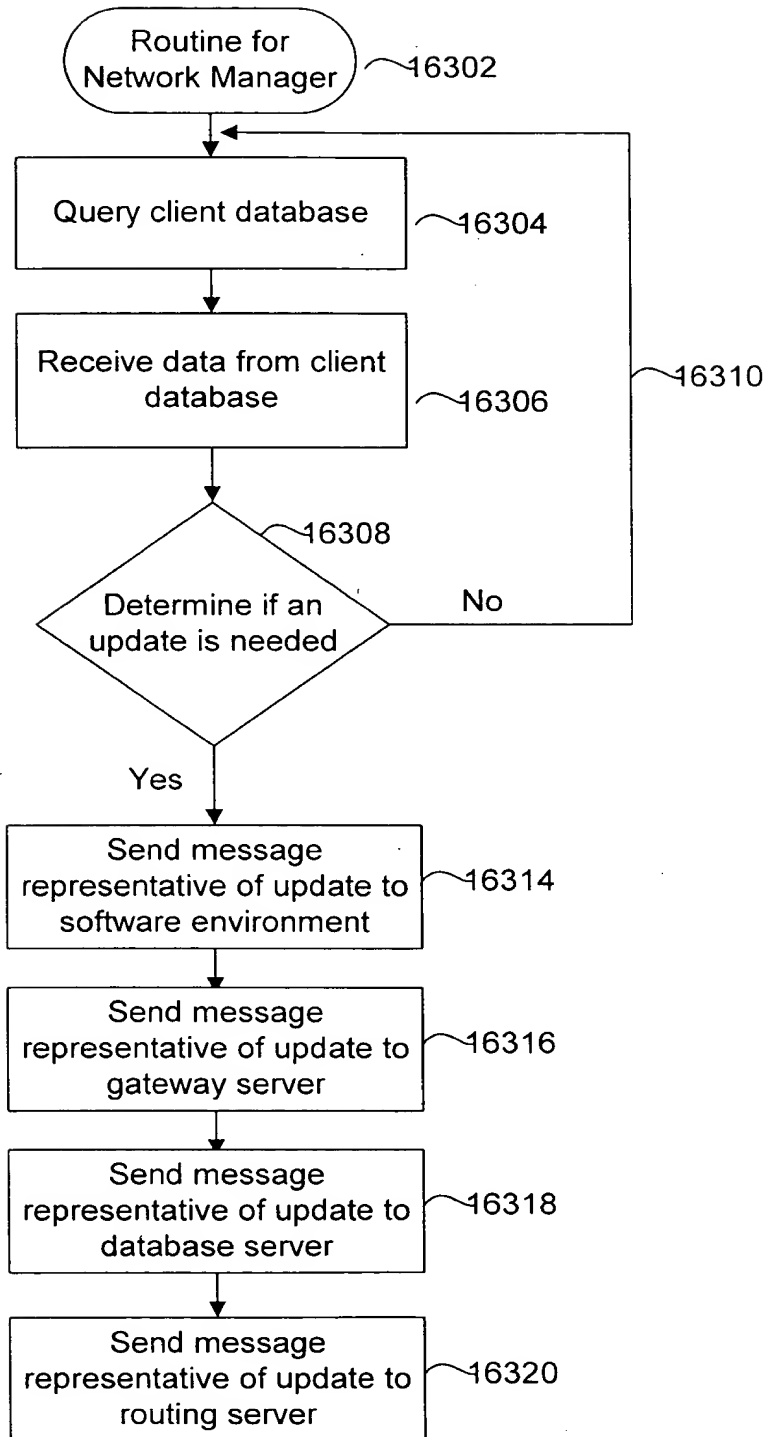


FIG. 163

0001-30 vsd/21

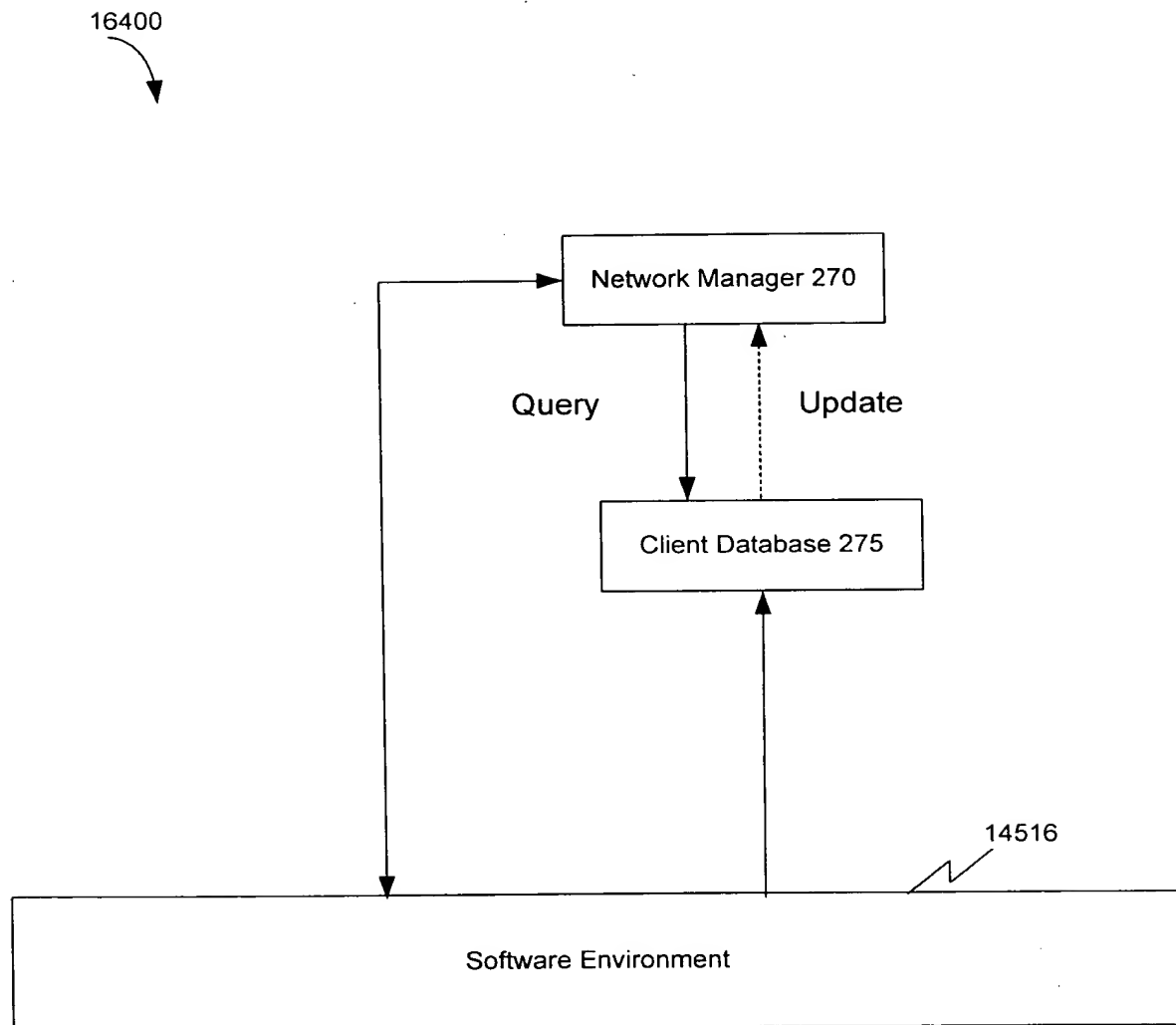


FIG. 164